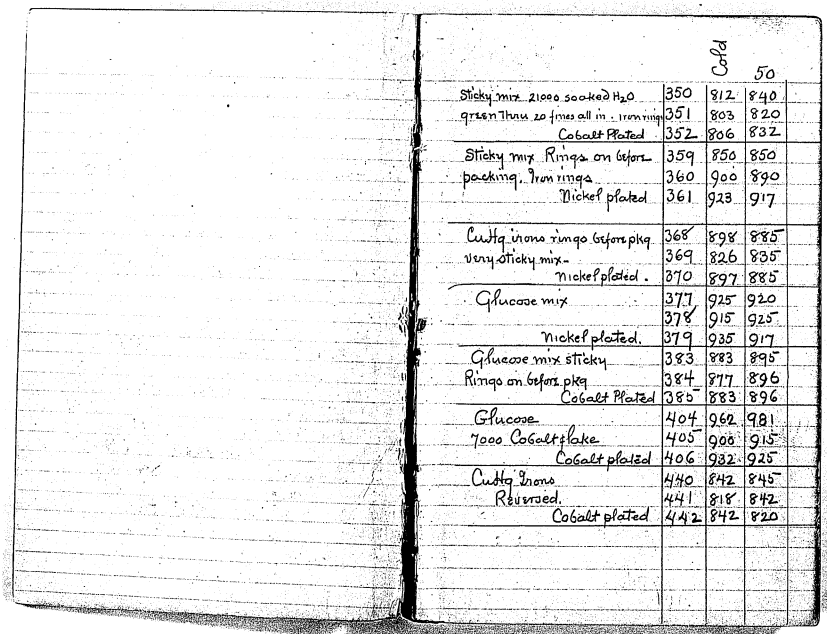
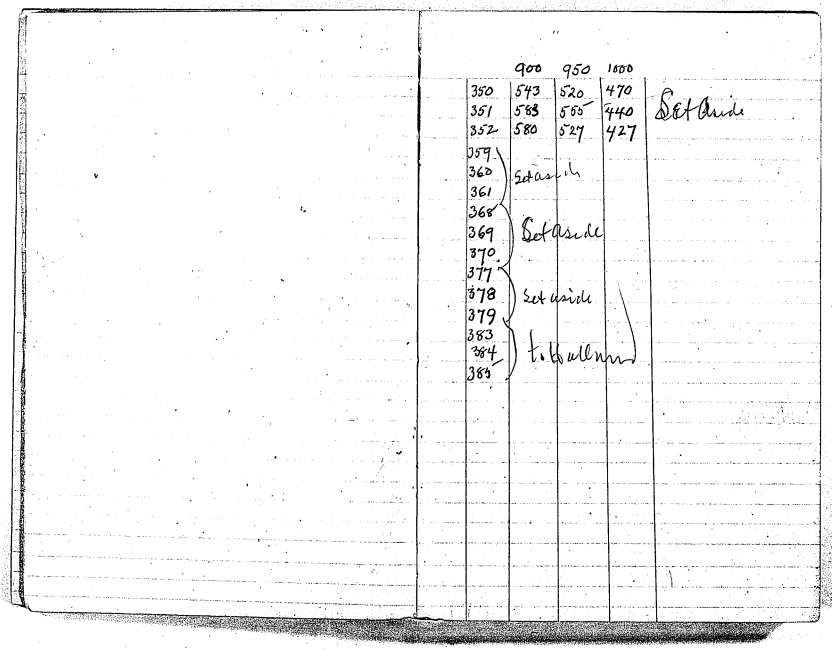
Notebook, N-09-00-00.1



		Cold	50
Sticky mix 21000 soaked H_2O	350	812	840
green Thru 20 times all in . Iron rings	351	803	820
Cobalt Plated	352	806	832
Sticky mix Rings on before	359	850	850
packing. Iron rings	360	900	890
Nickel plated	361	923	917
Cutlg irons rings before pkg	368	898	885
very sticky mix-	369	826	835
nickel plated .	370	897	885
Glucose mix	377	925	920
	378	915	925
nickel plated.	379	935	917
Glucose mix sticky	383	883	895
Rings on before pkg	384	877	896
Cobalt Plated	385	883	896
Glucose	404	962	981
7000 Cobalt flake	405	906	915
Cobalt plated	406	932	925
Cutlg irons	440	842	845
Reversed.	441	818	842
Cobalt plated	442	842	820

	100	150	200	250	300	350	400
350	841	827	827	807	791	772	775
351	825	816	815	797	777	745	738
352	837	825	822	812	790	753	738
359	840	815	812	786	778	732	768
360	887	877	860	840	827	792	808
361	908	895	895	883	873	845	860
368	850	807	800	762	748	680	683
369	842	813	815	777	687	721	712
370	877	846	837	817	792	755	743
377	917	903	910	900	891	880	870
378	896	882	890	885	880	865	881
379	907	892	892	885	872	847	853
383	888	882	870	860	845	803	810
384	888	885	870	878	860	812	817
385	900	892	882	880	857	818	830
404	998	987	978	968	953	905	900
405	940	915	937	927	922	897	872
406	940	915	890	856	853	840	858
440	847	857	841	840	817	815	787
441	850	860	842	850	832	840	807
442	855	866	848	860	845	850	825

	450	500	550	600	650	700	750	800	850
350	808	807	806	762	777	712	682	657	620
351	790	792	798	753	765	711	680	677	620
352	788	796	785	757	768	718	682	655	567
359	(Rain) 818	835	913		728	691	702	657	643
360	845	862	918		778	722	737	667	653
361	853	892	950		806	737	737	672	637
368	(Rain) 825	840	880	787	785	Holland	found	van OK	—
369	811	820	880	790	793	713	735	692	657
370	842	848	908	820	800	743	732	717	697
377	857	850	837	807	842	772	781	750	737
378	875	853	863	817	827	795	790	715	710
379	847	837	820	779	815	756	757	690	700
383	792	770			781	687	657	Went to Holland 384 split	
384	802	790			776	662	570		
385	805	787			775	700	665		
404	865	837	847		761				
405	822	760	721		575	Co			
406	787	756	710		546				
440	785	762	712	716	630	560	Went to Holland		
441	822	830	780	771	680	622			
442	837	838	795	787	711	662			



	900	950	1000	
350	543	520	470	Set aside
351	588	565	440	
352	580	527	427	
359				
360	Set aside			
361				
368				
369	Set aside			
370				
377				
378	Set aside			
379				
383				
384	to Hallmark			
389				

		Cold	50
Cu Hq irons reversed	443	855	862
	444	880	885
	445	880	870
Assembled with old irons	451	807	827
	452	880	861
	453	797	846
Remnants 356 but with Nickel rings.	480	892	897
Cobalt Plated	481	897	900
	484½	862	900
Remnants 371-374-Nickel rings duplicating 368	485	872	896
Nickel plated	486	832	851
Remnants 401	487	872	893
Nickel plated	488	855	860
Remnants 385 Cobalt "	494	865	885
	495	843	785
Remnants 366	496	950	936
	497	922	891
Cobalt Plated	498	897	892
Cu Hq Irons	499	847	850
	500	847	847
Cobalt Plated	501	847	917
Cobalt flake not run thru H.	502	892	892
Cobalt plated	503	850	872
ditto	505	897	892
Nickel plated	507	850	867

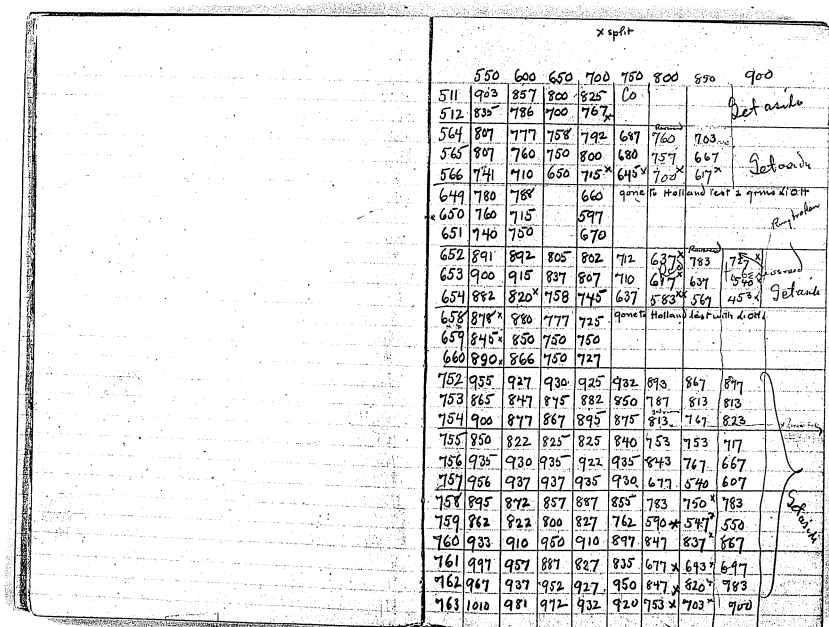
	100	150	200	250	300	350	400
443	875	885	867	880	862	862	792
444	895	900	888	892	872	875	775
445	885	892	868	865	835	840	722
451	826	808	797	795	772	721	743
452	846	832	850	835	817	785	777
453	843	838	812	792	762	725	772
480	907	892	903	892	885	808	850
481	915	910	913	893	906	887	870
484	900	900	891	890	865	843	902
485	858	882	860	867	870	887	880
486	862	850	842	837	792	787	850
487	891	880	844	830	821	833	850
488	892	871	850	832	823	813	850
494	897	898	878	870	857	862	882
495	887	885	871	850	850	850	862
496	937	908	900	875	881	871	937
497	872	850	827	800	816	792	865
498	905	900	857	778	778	750	653
499	865	852	822	815	790	815	848
500	841	825	807	785	780	770	776
501	915	916	910	900	890	897	917
502	900	885	860	850	820	830	900
503	868	847	831	825	800	800	850
505	900	865	830	827	807	793	882
507	857	838	817	820	765	767	847

	450	500	550	600	650	700	750	800	850	900
443	780	720	782	667	Irons were apt to acid — put in new irons					
444	770	712	667	650	violent eruptions noticed — given To Holland					
445	692	650	600	591	Irons run worse previously, like not To Holland — Irons like Original Irons — Ca Hg					
451	697	692	697	Irons given OK	To Holland Irons low but good —					
452	755	745	721							
453	737	717	656							
480	845	862	840	798	717	692	Co			
481	865	816	846	775	631	545 Sett.	Co			
484½	877	902	865	812	755	762	Co			
485	862	892	828	787		700	Co			
486	840	872	808	767	707	722	Co			
487	822	840	815	787	672	670	Co			
488	832	841	826	796	683	600	Co			
494	862	892	861	837	757	697	650	587	Set aside	
495	837	867	850	822	736	712	682	640		
496	906	893	848	807	618	550	450	Set aside		
497	822	820	762	735	560	450	342	Set aside		
498	550 sett	443								
499	820	837	803	760	682	645	590	453		
500	765	760	733	700	640	575	537	870	Set aside	
501	885	922	865	835	830	780	732	713		
502	837	855	831	820	750	640	505	Set aside		
503	815	850	803	777	750	602	507	Set aside		
505	850	897	840	820	775	765	715	680	Set aside — 12 hrs	
507	825	867	813	800	772	737	700	662	in thirst	

		Cold	50
50 Single Tamps – possibly a mistake	511	912	930
	512	938	950
250 Milgrams KCl	564	850	878
	565	867	900
Nickel plated	566	883	900
100 Double Tamps	649	850	877
	650	800	837
Cobalt plated	651	831	825
ditto	652	890	917
	653	906	936
Nickel plated	654	927	950
75 Double Tamps	658	920	967
	659	910	941
Nickel plated	660	953	975
Run Cold	752	900	985
	753	802	880
Cobalt plated	754	815	925
Run Cold	755	800	917
	756	877	967
Nickel plated	757	917	997
Run Cold	758	831	950
	759	832	918
Cobalt plated	760	895	992
Run Cold	761	960	1030
	762	877	950
Nickel plated	763	945	1025

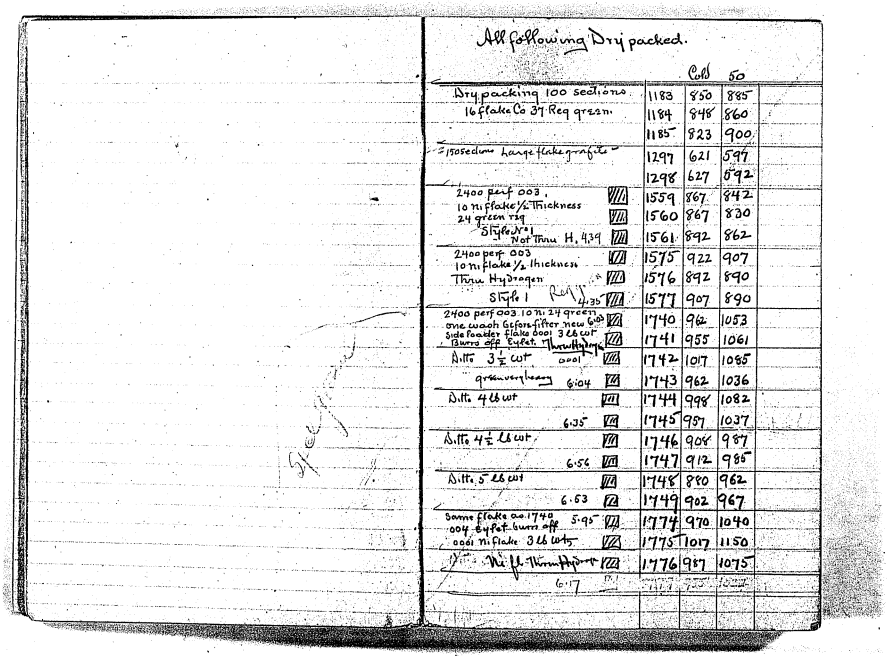
x split -

	100	150	200	250	300	350	400	450	500
511	955	952	950	931	932	940	945	907	952
512	945	932	910	877	798	771	935	988*	923
564	870	880	877	883	860	852	865	835	840
565	890	900	897	898	865	860	862	817	812
566	890	897	887	886	842	830	800	737	750
649	881	891	875	891	865	845	875	817	830
650	835	836	813	813	790	775	793	788	767
651	879	872	857	852	860	812	880	817	802
652	932	925	912	922	912	892	932	900	937
653	950	955	950	950	941	925	932	917	946
654	940	950	941	945	955	937	957	925	945
658	982	987	975	967	957	910	955	935*	960
659	955	946	942	932	890	835	950	905*	917
660	996	995	978	967	940	906	982	937*	952
752	993	955	1000	1002	987	1005	962	967	930
753	887	861	880	885	882	890	858	862	847
754	938	912	917	941	937	950	910	922	877
755	913	900	922	920	900	922	853	870	833
756	980	972	987	980	972	987	938	938	920
757	1010	990	972	996	987	1015	955	975	941
758	967	927	960	962	943	965	960	930	877
759	940	903	930	945	915	937	937	900	847
760	1000	967	997	1012	977	1037	1000	957	917
761	1045	1040	1055	1055	1032	1055	1050	1012	987
762	972	965	982	997	982	1010	1013	970	950
763	1032	1017	1030	1033	1020	1048	1032	1007	992



× split

	550	600	650	700	750	800	850	900	
511	903	857	800	825	Co				Jet aside
512	835	786	700	767					
564	807	777	758	792	687	760	703		
565	807	760	750	800	680	757	667		Jet aside
566	741	710	650	715	645	700	617		
649	780	788		660	gone to Holland rest 2 gone Light				
650	760	715		597					
651	740	750		670					
652	891	892	805	802	712	637	783	75	
653	900	915	837	807	710	697	637	583	
654	882	820	758	745	637	583	567	45	Jet aside
658	878	880	777	725	gone to Holland last Fwith Light				
659	845	850	750	750					
660	890	866	750	727					
752	955	927	930	925	932	893	867	897	
753	865	847	875	882	850	787	813	813	
754	900	877	867	895	875	813	747	823	
755	850	822	825	825	840	753	753	717	
756	935	930	935	922	935	843	767	667	
757	956	937	937	935	930	677	540	607	
758	895	872	857	887	855	783	750	783	Separate
759	862	822	800	827	762	590	547	550	
760	933	910	950	910	897	847	837	887	
761	997	957	887	827	835	677	693	697	
762	967	937	952	927	950	847	826	783	
763	1010	981	972	932	920	753	703	700	

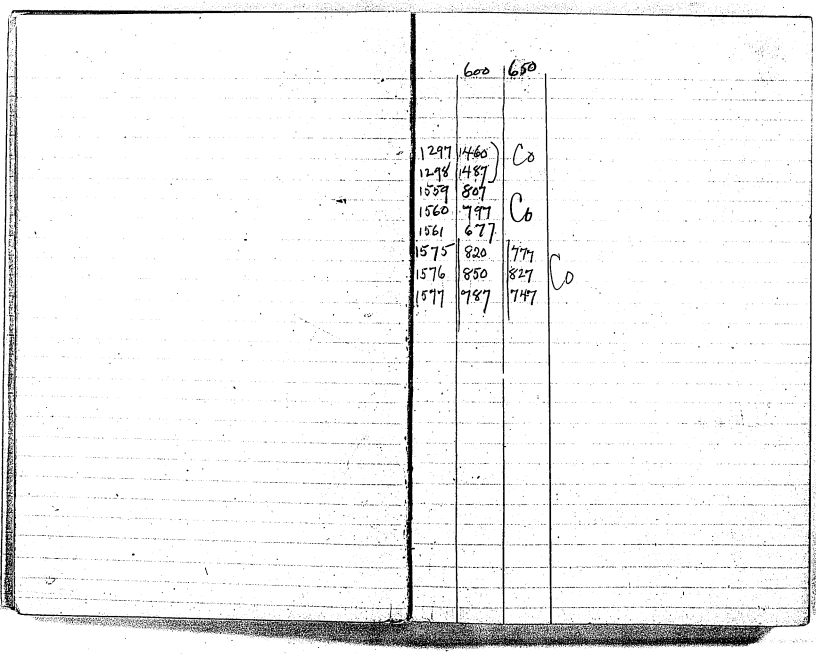


All following Dry packed.

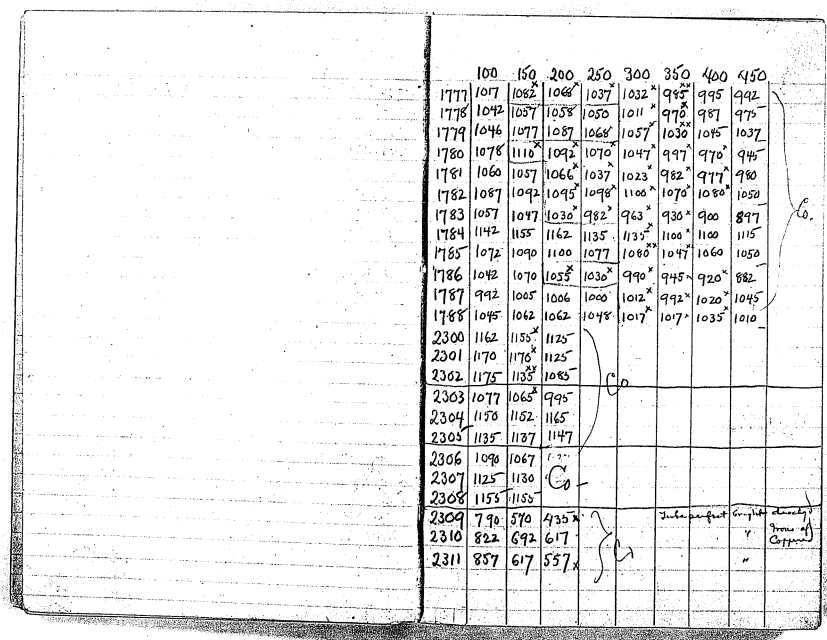
		Coll	50	
Dry packing 100 sections		1183	850	885
16 flake Co 37 Req green		1184	848	860
		1185	823	900
150 sections Large flake graphite		1297	621	599
		1298	627	592
2400 perf 003, 10 Ni flake ½ Thickness 24 green ray Style #1 Not Thru H, 439	VIII	1559	867	842
	VIII	1560	867	830
	VIII	1561	892	862
2400 perf 003 10 Ni flake ½ thickness Thru Hydrogen	VIII	1575	922	907
	VIII	1576	892	890
Style 1 Ref 4.35	VIII	1577	907	890
2400 perf 003 10 Ni 24 green one swash Gefors sifter new 6.08 Side Powder Flake 0001 3 Lb cut Burrs off Eyfet Thru Hydrogen	VIII	1740	962	1053
	VIII	1741	955	1061
Ditto 3½ cut 0001 green very heavy 6.104	VIII	1742	1017	1085
	VII	1743	962	1036
Ditto 4 Lb cut 6.35	VIII	1744	998	1082
	VII	1745	957	1037
Ditto 4½ Lb cut 6.56	VIII	1746	904	987
	VII	1747	912	985
Ditto 5 Lb cut 6.53	VII	1748	880	962
	VII	1749	902	967
Same flake as 1740 .004 Eyfet burrs off 0001 Ni flake 3 Lb cut 5.95	VII	1774	970	1040
	VIII	1775	1017	1150
Ni flake Thru Hydrogen 6.17	VIII	1776	987	1075

× split
×× Band split
B band

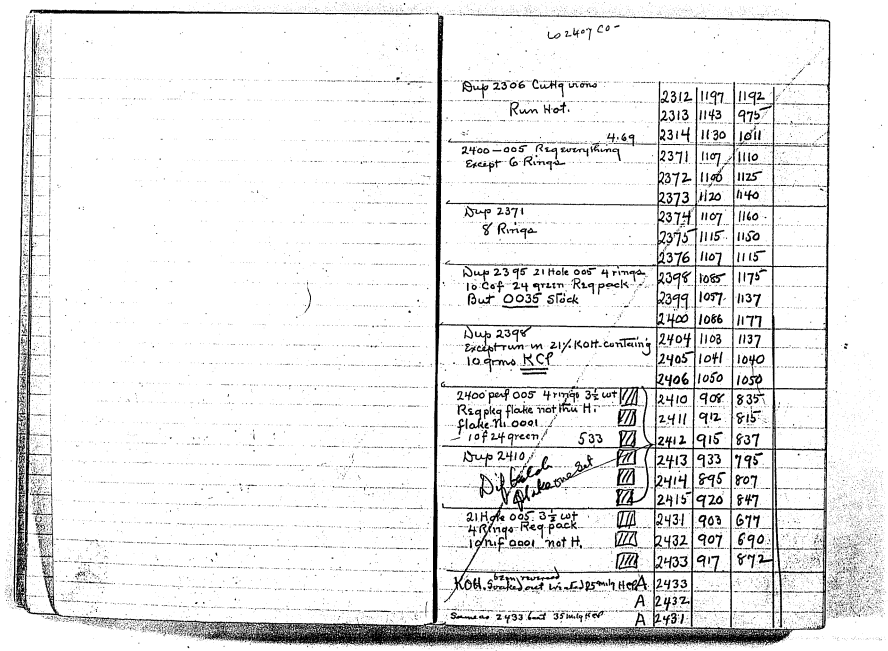
	100	150	200	250	300	350	400	450	500	550	
1183	883	887	887	927	890						
1184	867	856	867	902	867						
1185	895	907	895	936	907						
1297	582	570	555	626	625	595	570	550	533	523	
1298	595	575	555	625	632	600	580	550	533	510	
1559	855	862	911	887	887	880	892	880	843	833	
1560	855	860	905	910	905	880	912	817	817	787	
1561	872	882	912	895	875	822	827	795	730	708	
1575	952	950	975	976	955	940	912	932	895	880	
1576	922	927	942	980	933	922	900	917	892	850	
1577	932	942	962	970	931	907	872	872	842	780	
1740	1045	1056	1000	1050	997	1000	987				
1741	1061	1068	1032	1087	1052	1040	1030				
1742	1090	1093	1042	1077	1005×	975×	937				
1743	1062	1037	1035	1106	1062	1070	1050				
1744	1080	1112	1087	1135	1100×	1087	1097				
1745	1046	1066	1027	1072	1038×	1007	992				
1746	1005	1037	1000	1050	1023×	1000	990				
1747	990	997	975	1012	973⊙	942	940				
1748	950	957	962	987	978×	972	980				
1749	972	992	975	1006	987	972	985				
1774	1150	1086	1087	1082	1072	1035	1047	1025			
1775	1147	1175	1177	1165	1160×	1122	1130	1132			
1776	1068	1067	1091	1065	1050×	1020	1040	1030			


600
650
1297
1460
Co
1298
1487
1559
807
1560
797
Co
1561
677
1575
820
777
1576
850
827
Co
1577
787
747

Ditto 3½ lb wt		1777	950	1022	
		1778	961	1050	
	6.17	1779	943	1040	
Ditto 4 lb wt		1780	983	1085	
		1781	960	1068	
	6.22	1782	967	1087	
Ditto 4½ lb wt		1783	965	1045	
		1784	993	1131	
	6.30	1785	965	1075	
Ditto 5 lb wt		1786	965	1060	
		1787	902	1000	
		1788	927	1050	
10 Co flake 3½ wt 2400 perf .005. CP Cobalt anodes		2300	1173	1100	
		2301	1185	1092	
		2302	1192	1112	
Run cold.		2303	1250	1100	
		2304	1192	1095	
	4.79	2305	1190	1090	
Dup 2300 Except new process irons Cutg- Run Cold		2306	1190	1050	
		2307	1150	1062	
	4.48	2308	1200	1102	
Dup 2306. Cutg irons		2309	1170	987	
		2310	1210	1057	
	4.69	2311	1207	1042	

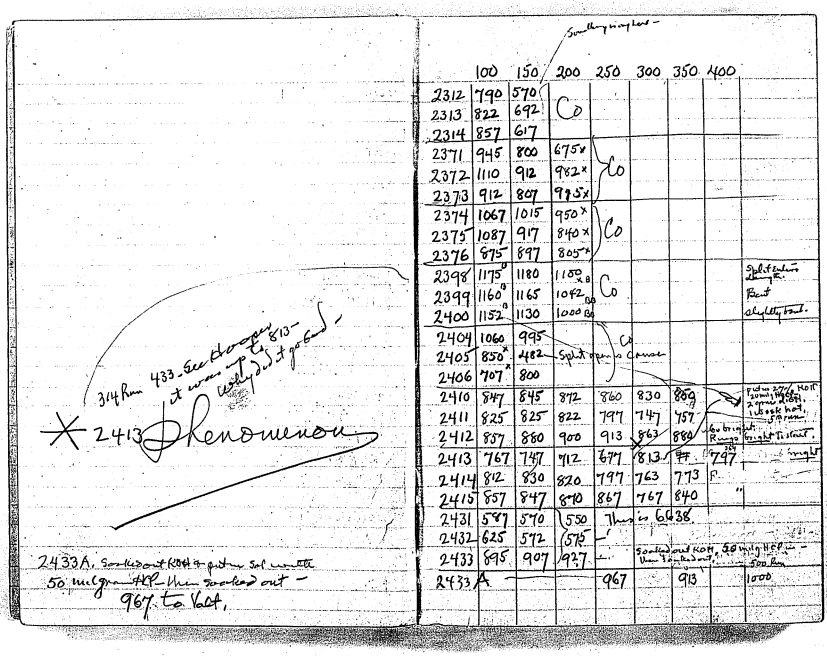


	100	150	200	250	300	350	400	450	
1777	1017	1082	1068	1037	1032	985	995	992	
1778	1042	1057	1058	1050	1011	970	987	975	
1779	1046	1077	1087	1068	1057	1030	1045	1037	
1780	1078	1110	1092	1070	1047	997	970	945	
1781	1060	1057	1066	1037	1023	982	977	980	
1782	1087	1092	1095	1098	1100	1070	1080	1050	
1783	1057	1047	1030	982	963	936	900	897	
1784	1142	1155	1162	1135	1135	1100	1100	1115	
1785	1072	1090	1100	1077	1080	1047	1060	1050	
1786	1042	1070	1055	1030	990	945	920	882	
1787	992	1005	1006	1000	1012	992	1020	1045	
1788	1045	1062	1062	1048	1017	1017	1035	1010	
2300	1162	1155	1125						
2301	1170	1176	1125						
2302	1175	1135	1085						
2303	1077	1065	995						
2304	1150	1152	1165						
2305	1135	1127	1147						
2306	1090	1067							
2307	1125	1130							
2308	1155	1155							
2309	790	570	435						
2310	822	692	617						
2311	857	617	557						



Lo 2407 Co -

Dup 2306 Cut Hq irons Run Hot.	2312	1197	1192
	2313	1143	975
4.69	2314	1130	1011
2400—005 Req everything Except 6 Rings	2371	1107	1110
	2372	1106	1125
	2373	1120	1140
Dup 2371 8 Rings	2374	1107	1160
	2375	1115	1150
	2376	1107	1115
Dup 2395 21 Hole 005 4 rings 10 def 24 green Req pack But 0035 Stock	2398	1085	1175
	2399	1057	1137
	2400	1086	1177
Dup 2398 Except run in 21% KOH. containg 10 grms KCP	2404	1103	1137
	2405	1041	1040
	2406	1050	1050
2400 perf 005 4 rings 3½ wt Req pkg flake not thru H. flake No 0001 10 of 24 green 533	2410	908	835
	2411	912	815
	2412	915	837
Dup 2410 Diff batch Not Enlargement	2413	933	795
	2414	895	807
	2415	920	847
21 Hole 005 3½ wt 4 Rings Req pack 10 Mif 0001 not H.	2431	903	677
	2432	907	690
	2433	917	872
KOH. by my records Smoked out Lin ~E) 25 mils Hor	A 2433		
	A 2432		
Same as 2433 but 35 mils Hor	A 2431		



	100	150	200	250	300	350	400	
2312	790	570	Co					Smaller amplitude
2313	822	692						
2314	857	617						
2371	945	800	675x	Co				
2372	1110	912	982x					
2373	912	807	995x					
2374	1067	1015	950x	Co				
2375	1087	917	840x					
2376	875	897	805x					
2398	1175	1180	1105	Co				Split pattern
2399	1160	1165	1042					Beat
2400	1152	1130	1000					slightly fast.
2404	1066	995	Co					
2405	850	482	Split open Comma					
2406	707	800						
2410	847	845	872	860	830	869		Pattern 2 equal halves. 2 openings 1 at each end.
2411	825	825	822	797	747	757		
2412	857	880	900	913	863	880		Go bright Remains bright to finish.
2413	767	747	712	671	813	797		Small
2414	812	830	820	797	763	773		P
2415	857	847	840	867	767	840		
2431	587	570	550	Thumping 6438				
2432	625	572	575					
2433	895	907	937	Smoked out KOH, 50 mg HCP in 1 cc. Then 2 cc.				Small
2433A				967		913		1000

2433A. Smoked out KOH + pattern Sol'n with 50 mg. HCP. then smoked out - 967. to KOH.

3/4 Run 433 - See through it when wet. Lovely pattern. 813 - Still good -

2413 Phenomenon

Chgd

Inspection June 8–

Tubs jet black don't rub off — Grams nearly bright
" Light smut rubs nearly bright — Rubs bright
" Drop Primer red don't rub — Thumb shows color mostly due To Cobalt discarded — the KOH.

" Brown smut rubs nearly bright
" " "
" " "
" " "
" " "
" " "
" Deep brown or red don't rub
" "
" "
" "

Grams perfectly bright

Grams nearly bright
Rubs bright

	Cold		50
21 Hole 005 4 Rings Co flake Reg pack - Reg grm	2467	1095	1240
2 grms 10H each cell	2468	1142	1292
4.57	2469	1142	1247
21 Hole 005 10 ni flake 24 green 4 Rings Reg grm 21% KOH.	2470	892	992
2 grms 10H, each cell	2471	890	992
5.27	2472	892	1000
Dup 2470	2473	865	882
Except 15% KOH. 5.31	2474	850	900
2 grms 10H each cell	2475	845	895
21 Hole 005 4 Rings Cobalt flake	2476	992	1082
15% KOH.	2477	1017	1117
4.58	2478	1008	1115
2 grms 10H each cell			
24 Hole 005 Gun off Ni flake Treated Key after treating with Reg Copper solution	2482	920	900
	2483	917	862
4.43	2484	965	925
Dup 2482 Except 21 Hole 4 Rings	2485	882	872
	2486	952	935
4.22	2487	975	967
21 Hole 005 Ni flake 0001 not Hydrogen of flake 24 green Spiral Tube Reg grm	2488	987	960
	2489	992	957
4.37	2490	993	965
Dup 2488	2491	977	930
8 Ni flake 24 Reg green	2492	983	945
4.25	2493	945	907

2470
June 3rd 1907 Examined Tube, Strait seam no more
Grant chrom original ton clay Fe cream like
Clinging deep brown —

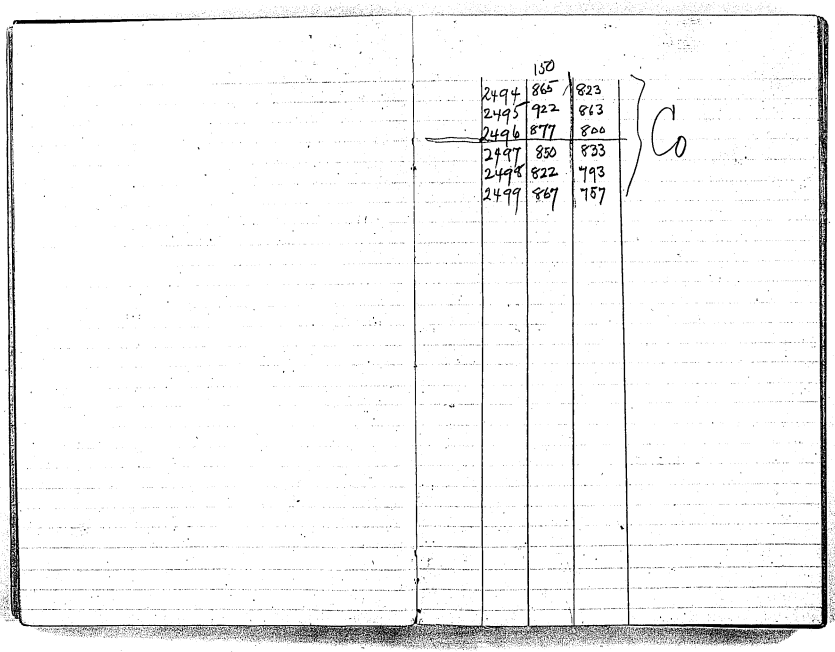
* at Reg rate 250 hat 1047 } That drum in Column
1033 } after 250 in the
1045 } high rate limiting
+ thing —

	100	150	200	250	300	350	
2467	1195	1017	850	638			Tube Effect
2468	1297	927	900	717	640	583	dent worse
2469	1267	1220	1180	910	717	557	Co
2470	1012	1015	1040	970	977	937	910
* 2471	995	1000	1037	967	933	883	830 Set aside
2472	1012	1022	1040	970	927	887	853
2473	850	890	895	900	883	857	827 Set
2474	882	900	925	910	890	870	827 aside
2475	875	892	912	897	777	837	797
2476	990	935	895	720	667	523	
2477	1117	1060	1035	843	717	663	Co
2478	1087	1050	1040	967	790	727	
2482	892	867	823	797			
2483	835	797	720	673			
2484	892	850	783	790			
2485	812	757	703	677			Set
2486	867	820	760	736			
2487	937	860	785	767			
2488	970	975	970	927	880	863	
2489	987	950	923	867	823	790	
2490	987	967	967	903	863	840	
2491	942	957	897	827	790		
2492	945	917	847	823	793		Set aside
2493	910	890	817	773	777		

Highrate

2413 See this —
2467 considered by
Grant Cooke
Thus making

			Cold	50	100
Dup 2488					
7 Ni flake 24 green		2494	1007	950	942
		2495	1013	965	960
	422	2496	1021	970	942
Dup 2488					
6 Ni flake 24 green		2497	1015	935	910
		2498	965	895	877
	411	2499	1000	887	850


150
2494 865 823
2495 922 863
2496 877 800
2497 850 833
2498 822 793
2499 867 757
Co

All Nickel tubes nickel flake

26X30 005 ni flake 10 24 green used in 1983 — green No wash dried at low heat 4 Rings —	5000	1081	1030
	5001	1075	1032
4.87	5002	1068	1032
Dup 5000 green used same as in 1986 ½ Wash dried low heat	5003	1082	1047
	5004	1070	1045
4.92	5005	1083	1045
Dup 5000 green used as in 1989 ½ wash, dried high heat.	5006	1042	1000
	5007	1030	982
5.39	5008	1087	1040
Dup 5000 green used same as 1992 No wash dried high heat	5009	1093	992
	5010	1105	1042
5.35	5011	1111	1025
Dup 5000 Green one wash in percolator	5012	1056	1000
	5013	1055	1000
5.52	5014	1083	1025
Dup 5000 2 washings percolator	5015	1015	941
	5016	1022	950
4.77	5017	1057	977
Dup 5000 4 Washings percolator	5018	988	900
	5019	992	900
4.65	5020	1000	900
Dup 5000 8 washings percolator	5021	993	887
	5022	1018	900
4.56	5023	1015	900

	100	150	200	250	300	350	400	
5000	1050	1062	1025	960	970	927		
5001	1045	1065	1025	933	973	941		Edwards
5002	1055	1067	1032	960	960	927		
5003	1062	1070	1032	1003	983	950	923	
5004	1070	1077	1047	1010	1007	950	933	
5005	1072	1090	1030	1017	987	913	893	
5006	1025	1042	987	943	950	930	920	
5007	1020	1027	1027	920	930	917	943	
5008	1090	1087	1062	1010	1023	1003	997	
5009	1027	1032	980	897	923	897	897	Ryan
5010	1072	1085	1045	1010	1023	997	997	
5011	1070	1085	1027	977	980	947	987	
5012	1062	1075	1030	990	1020	997	1023	
5013	1055	1075	1042	987	1007	990	1020	
5014	1057	1057	1012	967	970	963	980	
5015	945	962	940	887	863			
5016	962	992	962	900	863			
5017	990	985	950	897	877			
5018	950	970	950	920	900			
5019	930	967	945	927	883			Edwards
5020	925	970	950	917	863			
5021	922	950	927	850	863			
5022	932	942	930	870	887			
5023	942	962	937	907	887			

Anions: all coated with Copper on changing Ni seems ok - but this runs with previously 70 Ω-cm

			Cold	50	
Dup 5000		5027	975	913	
Except RA 744 green		5028	980	922	
Same as used in 2247	4.56	5029	978	935	
26X30 005 —		5030	981	908	
flake 0001 not H.		5031	972	900	
New process HgCu Prons	4.53	5032	956	875	
Dup 5030 RUN COLD		5033	960	900	
New process HgCu Prons		5034	950	888	
	4.56	5035	973	912	
Dup 5030		5036	962	900	
New process HgCu ions		5037	952	912	
Reversed once week	4.55	5038	962	900	
26X30 005 flake 0001 not H.		5039	1142	712	
3½ wt 4 Rings		5040	1120	717	
Run in 33% KOH		5041	1106	725	1124.5 / 718
Ditto		5042	1092	682	
31% KOH		5043	1085	557	
		5044	1118	703	1103 / 840
Ditto		5045	1076	805	
29% KOH		5046	1077	822	
		5047	1081	833	
Ditto		5048	1031	870	
27% KOH		5049	1031	825	
		5050	1036	837	

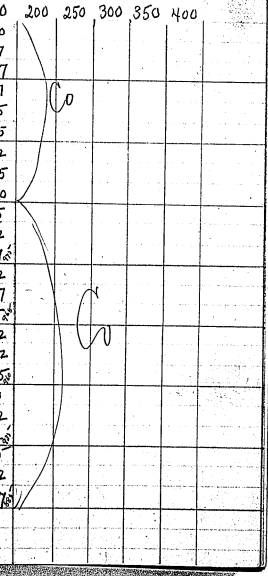
	100	150	200	250	300	350	400
5027	950	942	932	883	883		
5028	952	982	982	930	907		
5029	960	975	940	890	883		
5030	917	935	950	917	893		
5031	930	947	947	930	900		
5032	920	947	935	903	893		
5033	932	920	937	917	913		
5034	920	907	922	917	897		
5035	942	930	950	920	913		
5036	907	930	947	960	933		
5037	895	977	937	917	908		
5038	915	925	947	983	913		
5039	640	542	Changed to 21%		run on board 3 times		
5040	645	562					
5041	632	545					
5042	657	600					
5043	482	367					
5044	690	567					
5045	755	727					
5046	797	742					
5047	745	690					
5048	850	827					
5049	835	827					
5050	845	825					

5036 Reruned I wrong socket last

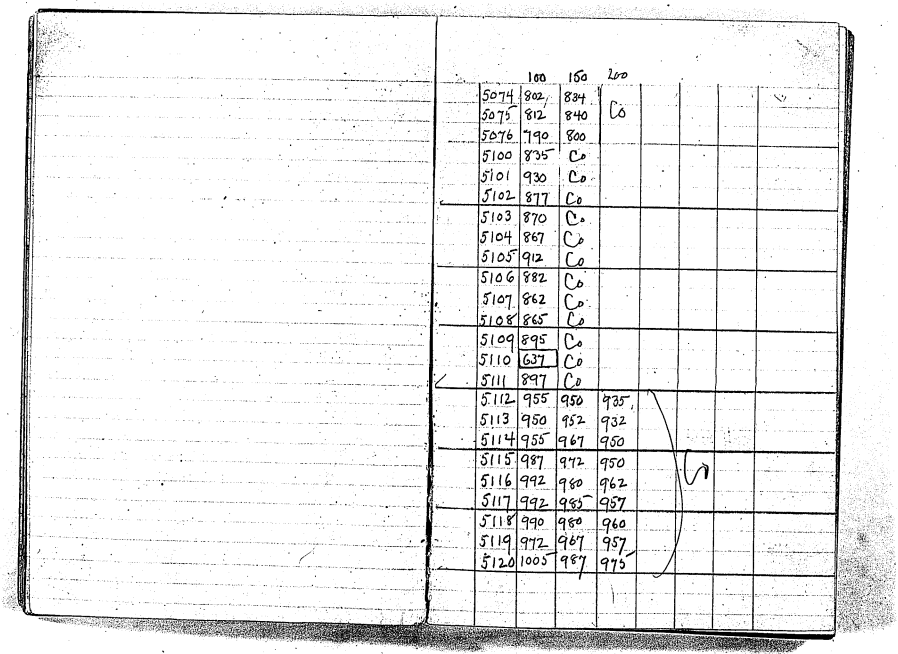
Set aside

Ditto	5051	1010	881
25% KOH	5052	1012	915
	5053	1015	920
Ditto	5054	990	910
23% KOH	5054½	986	886
	5055	982	900
Ditto	5056	961	908
21% KOH	5057	982	887
	5058	982	918
Ditto	5059	950	932
19% KOH	5060	957	932
	5061	960	935
Ditto	5062	943	922
17% KOH	5063	922	931
	5064	938	941
Ditto	5065	907	930
15% KOH	5066	900	917
	5067	891	897
Ditto	5068	866	882
13% KOH	5069	872	887
	5070	870	875
Ditto	5071	835	860
11% KOH	5072	830	852
	5073	820	852

	100	150
5051	882	870
5052	925	917
5053	920	937
5054	915	917
5054½	912	915
5055	925	935
5056	940	962
5057	910	895
5058	932	940
5059	950	985
5060	950	972
5061	942	967½
5062	925	962
5063	945	967
5064	957	975½
5065	942	962
5066	942	962
5067	932	955½
5068	920	950
5069	920	942
5070	902	912½
5071	885	880
5072	872	882
5073	890	887½

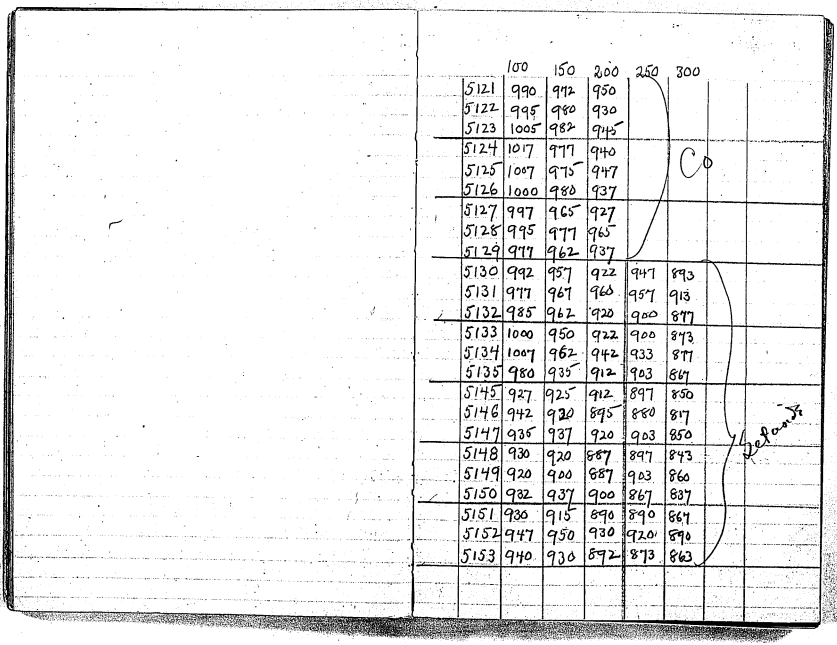


Ditto	5074	745	810	
9% KOH	5075	755	820	
	5076	758	808	
26X30 005 N flake 0001 strips Cut 30/1000 wide thru 20 mesh 10f 24 Rcq grain 3½ lbs Cot 4 Rings burs ground 4.31	5100	962	900	
	5101	957	932	Co
	5102	945	887	
Ditto Cut 20/1000 wide 4.41	5103	980	915	
	5104	955	906	Co
	5105	967	928	
Dup 5100 Except 21 Hole 005 slock 4.22	5106	922	887	
	5107	900	867	Co
	5108	938	895	
Dup 5103 Except 21 Hole 005 slock 4.26	5109	923	897	
	5110	962	712	Co
	5111	955	917	
26X30 005 burs off rcq pack flake not H. 10f 24 rcq grain 3½ lbs flake ½ Thickness 4.24	5112	985	935	
	5113	986	950	
	5114	997	965	
ditto 9 flake ½ Thick 00005	5115	1005	975	
	5116	1001	980	
	5117	1000	982	
ditto 8 flake ½ Thick	5118	998	978	
	5119	986	960	
	5120	996	972	



	100	150	200					
5074	802	884						
5075	812	840	Co					
5076	790	800						
5100	835	Co						
5101	930	Co						
5102	877	Co						
5103	870	Co						
5104	867	Co						
5105	912	Co						
5106	882	Co						
5107	862	Co						
5108	865	Co						
5109	895	Co						
5110	637	Co						
5111	897	Co						
5112	955	950	935					
5113	950	952	932					
5114	955	967	950					
5115	987	972	950					
5116	992	980	962					
5117	992	985	957					
5118	990	980	960					
5119	972	967	957					
5120	1005	987	975					

Dup 5112	5121	997	972
7 flake ½ Thickness	5122	1002	1010
4.60	5123	1005	981
Dup 5112	5124	1020	995
6 flake ½ Thickness	5125	1002	981
4.81	5126	1006	973
Dup 5112	5127	967	962
5 flake ½ Thickness	5128	987	970
4.93	5129	996	976
Dup 5112	5130	1007	985
4 flake ½ Thickness	5131	982	981
5.07	5132	985	983
Dup 5112	5133	1002	992
3 flake ½ Thickness	5134	1000	1005
5.09	5135	995	977
26X30 005" Gun soft Jeq pack	5145	930	905
"Flake not Thru Hydrogen 4 rings			
3 lbs cut .0001 fl.	5146	940	923
4.47	5147	940	918
Dup 5145	5148	922	906
Except 5 Rings	5149	922	915
4.50	5150	931	927
Dup 5145	5151	960	936
Except 4 lb cut	5152	977	950
4 Rings 4.71	5153	990	950

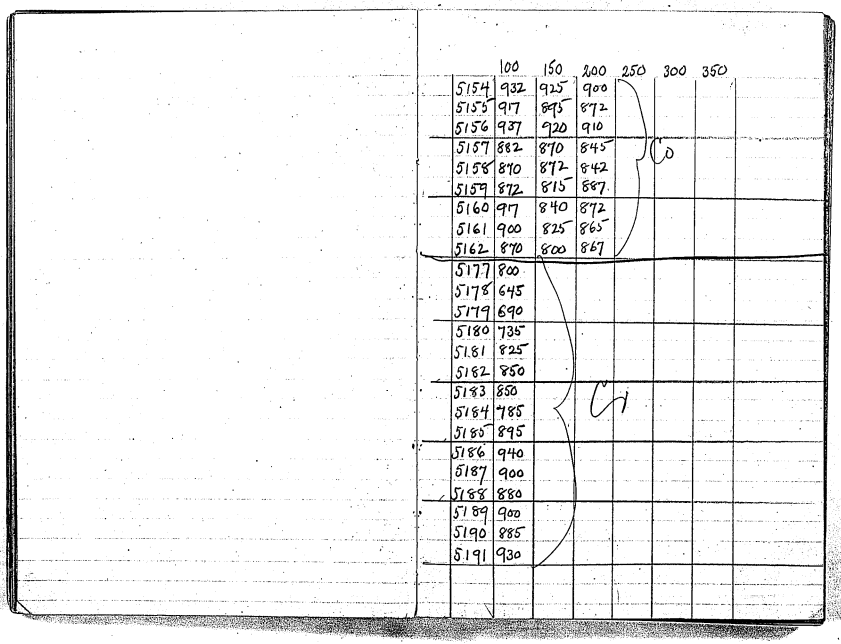


	100	150	200	250	300	
5121	990	992	950			
5122	995	980	930			
5123	1005	982	945			
5124	1017	977	940			
5125	1007	975	947			
5126	1000	980	937			
5127	997	965	927			
5128	995	977	965			
5129	977	962	937			
5130	992	957	922	947	893	
5131	977	967	960	957	913	
5132	985	962	920	900	877	
5133	1000	950	922	900	873	
5134	1007	962	942	933	877	
5135	980	935	912	903	867	
5145	927	925	912	897	850	
5146	942	920	895	880	817	
5147	935	937	920	903	850	
5148	930	920	887	897	843	
5149	920	900	887	903	860	
5150	932	937	900	867	837	
5151	930	915	890	890	864	
5152	947	950	930	920	890	
5153	940	930	892	873	863	

C0

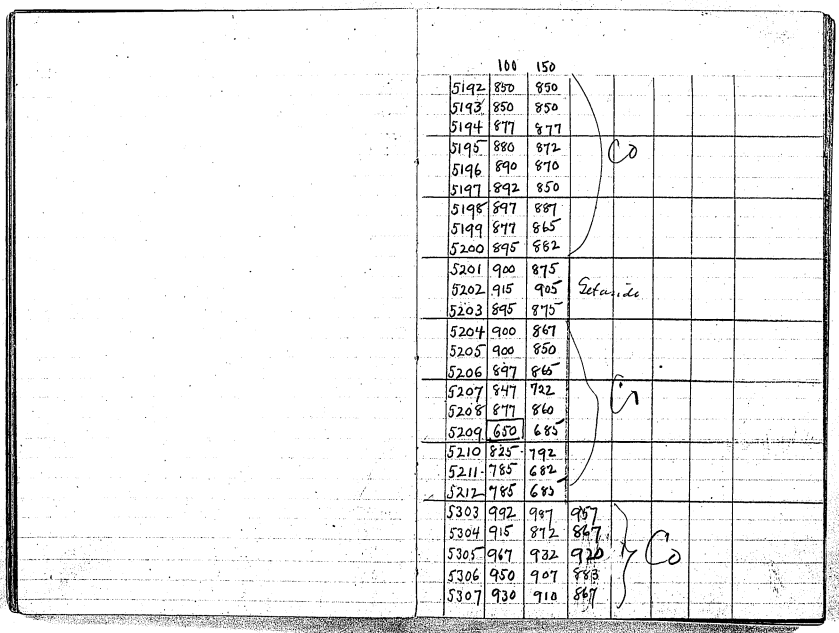
below 3%

Dup 5145	5154	972	950	
4½ lb weight	5155	947	917	
4 Rings 4.77	5156	957	935	
21 Hole flake 0001 not H.	5157	900	880	
4 Lb cut – 4 rings	5158	892	865	
	5159	881	875	
Dup 5157	5160	900	906	
Except 5 Rings	5161	900	892	
4.60	5162	915	870	
26X30 005 3½ Lb cut 10 m 24	5177	850	900	
Reg green 0001 SP not H.	5178	720	792	
Run in 29% NaOH 4.28	5179	837	872	
	5180	1045	990	
27% NaOH	5181	1047	996	
	5182	1083	1008	
	5183	1125	1005	
25% NaOH	5184	1138	972	
	5185	1132	998	
	5186	1087	1032	
23% NaOH	5187	1070	991	
	5188	1083	992	
	5189	1050	982	
21% NaOH.	5190	1047	998	
	5191	1045	998	



	100	150	200	250	300	350
5154	932	925	900			
5155	917	895	872			
5156	937	920	910			
5157	882	870	845			
5158	890	872	842			
5159	872	815	887			
5160	917	840	872			
5161	900	825	865			
5162	870	800	867			
5177	800					
5178	645					
5179	690					
5180	735					
5181	825					
5182	850					
5183	850					
5184	785					
5185	895					
5186	940					
5187	900					
5188	880					
5189	900					
5190	885					
5191	930					

19% NaOH 4:30	5192	1005	908	
	5193	1015	897	
	5194	1000	911	
17% NaOH 4:31	5195	980	907	
	5196	977	905	
	5197	988	910	
15% NaOH 4:26	5198	942	910	
	5199	945	902	
	5200	947	910	
13% NaOH 4:26	5201	895	907	
	5202	910	906	Set ↓ overnight
	5203	900	895	
11% NaOH 4:24	5204	867	912	
	5205	870	917	
	5206	875	912	
9% NaOH 4:16	5207	827	892	
	5208	835	900	
	5209	787	840	
7% NaOH. 4:15	5210	790	840	
	5211	798	837	
	5212	793	812	
2400, 6mm ground 4 rings fuff. Turn SPIRAL 3½ 26 wt 0001 f 10 24 green Rag thru 20 fine sm 4:50	5303	960	948	
	5304	895	886	
	5305	930	937	
	5306	927	930	
	5307	932	915	

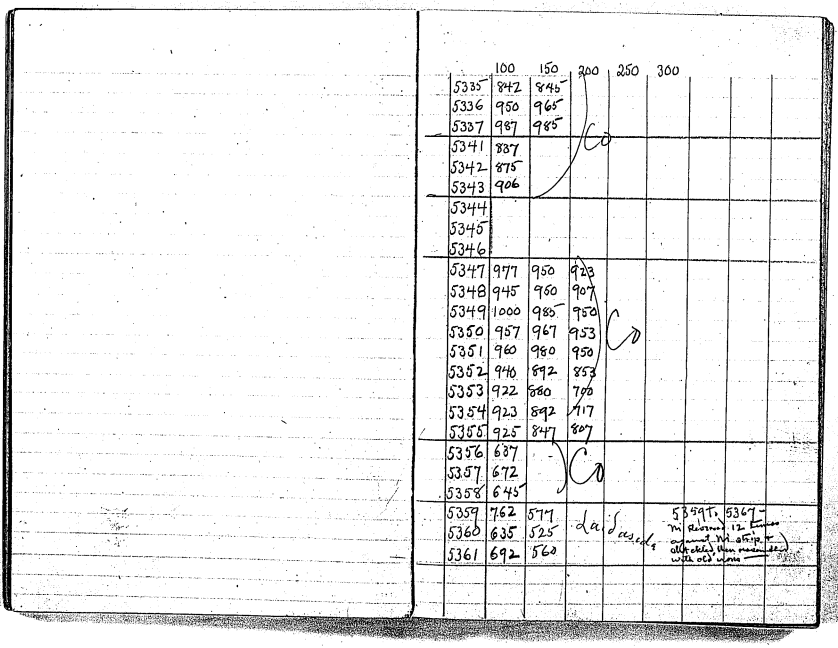


	100	150	
5192	850	850	
5193	850	850	
5194	877	877	
5195	880	872	Co
5196	890	870	
5197	892	850	
5198	897	887	
5199	897	865	
5200	895	882	
5201	900	875	Set aside
5202	915	905	
5203	895	875	
5204	900	867	
5205	900	850	
5206	897	865	
5207	847	722	Cn
5208	877	860	
5209	650	685	
5210	825	792	
5211	785	682	
5212	785	693	
5303	992	987	957
5304	915	872	847
5305	967	932	920 Co
5306	950	907	883
5307	930	910	867

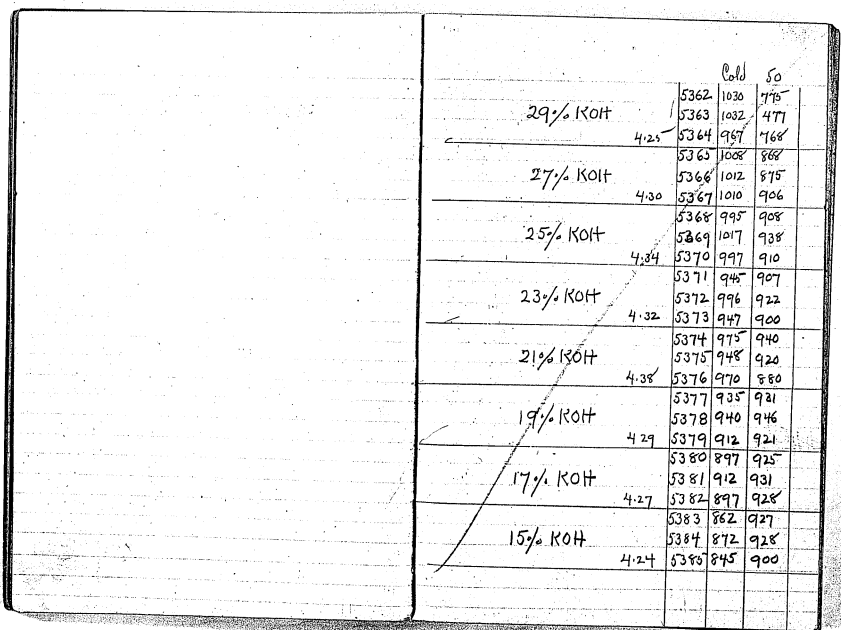
		Cold	50
	5308	932	948
	5309	955	946
4.50	5310	956	942
	5311	927	956
	5312	992	956
Dup 5303	5313	987	946
Except 26X30 Spiral one	5314	985	955
Complete Turn 4 Rings	5315	990	943
	5316	957	942
	5317	977	950
	5318	985	947
	5319	1007	947
4.51	5320	981	941
21 Hole .005 ff not H.	5321	970	845
10 fl 24 Reg grain	5322	975	956
21% KOH 10 Grams KCP. 4.25	5323	966	937
Dup 5321	5324	971	958
Except punched hole stock	5325	937	885
21% KOH 10 grms KCP 4.27	5326	965	931
Punched hole stock Spiral	5327	985	967
1 Turn fl Not H. .0001" 10 fl	5328	1035	1000
24 Reg grain			
21% KOH 10 grms KCP 4.55	5329	992	960
Punched hole stock .005"	5329½	937	900
Spiral 1 Turn 10 fl 24 Reg	5330	925	922
grain .0001 - not H.	5331	940	935
21% KOH.	5332	958	942
	5333	935	925
4.57	5334	905	890

	100	150	200	
5308	977	960	887	
5309	970	960	903	
5310	970	975	947	
5311	975	950	979	
5312	962	960	940	
5313	957	945	890	Co
5314	982	987	980	
5315	970	965	933	
5316	955	942	893	
5317	962	950	933	
5318	950	937	890	
5319	962	950	907	
5320	965	957	933	
5321	765	760		
5322	930	915		
5323	917	932		Co
5324	915	920		
5325	865	887		
5326	917	945		
5327	990	967		
5328	1012	1000		Co
5329	977	962		
5329 R	940	920		
5330	960	945		
5331	972	950		Co
5332	972	947		
5333	962	947		
5334	932	920		

		5335	952	876
		5336	933	927
	4.57	5337	972	967
Dup 5329½ Except nickel flake cut in strips 60/1000-		5341	927	837
		5342	967	932
	4.47	5343	1012	972
Dup 5341 Except 21 Hole .005 Spiral		5344	1035	995
		5345	1023	925
	4.41	5346	1033	975
21 Hole .005 - Spiral one turn 3½ cut 10 of 24 Req green Req pack 21% KOH.		5347	958	938
		5348	990	902
		5349	997	970
		5350	1006	955
		5351	985	942
		5352	995	942
		5353	987	938
		5354	985	932
	4.44	5355	1000	920
21 Hole .005 / 3½ lbs Req pack 10 of 24 Req green.		5356	1090	782
		5357	1125	833
5 Rings / Run 33% KOH	4.26	5358	1122	802
		5359	1085	887
Dup 5356 Run 31% KOH		5360	1083	783
	4.25	5361	1030	785



	100	150	200	250	300					
5335	842	845								
5336	950	965								
5337	987	985								
5341	837									
5342	875									
5343	906									
5344										
5345										
5346										
5347	977	950	928							
5348	945	960	907							
5349	1000	985	950							
5350	957	967	953							
5351	960	980	950							
5352	946	892	853							
5353	922	880	790							
5354	923	892	817							
5355	925	847	807							
5356	687									
5357	672									
5358	645									
5359	762	577				5395, 5367				
5360	635	525								
5361	692	560								



		Cold	50
29% KOH	5362	1030	775
	5363	1032	471
4.25	5364	967	768
	5365	1008	868
27% KOH	5366	1012	875
4.30	5367	1010	906
	5368	995	908
25% KOH	5369	1017	938
4.34	5370	997	910
	5371	945	907
23% KOH	5372	996	922
4.32	5373	947	900
	5374	975	940
21% KOH	5375	948	920
4.38	5376	970	880
	5377	935	921
19% KOH	5378	940	946
4.29	5379	912	921
	5380	897	925
17% KOH	5381	912	931
4.27	5382	897	928
	5383	862	927
15% KOH	5384	872	928
4.24	5385	845	900

5363 Dooked then out dried + treated with 500 Mikg HNO_3 in test tube 1" dia 5" long — I found that this Tube was either never Nickelplated or the plating was porous + local action or current got in behind it + threw all the Nickel plating off =

Plan — 6 Cyl 25% KOH, dissolve Nickel this way be the whole trouble with strong KOH,

5364 - no plated ok - treated with acid —

5362 Was 4 Chunk treated 1 Cyl - 200 mikg — its around 790 - 2nd Run —

But not sure this is the Cube —

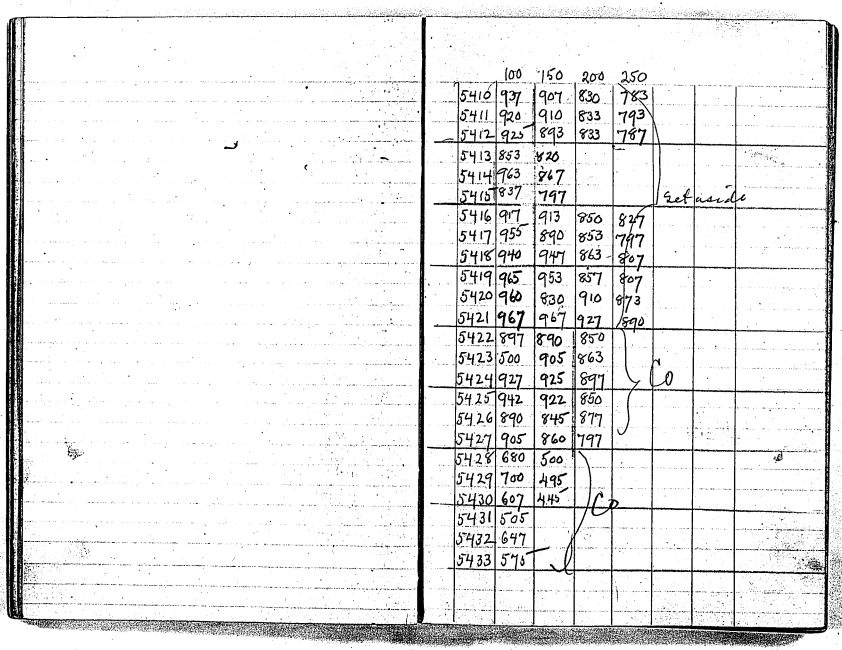
5362A — 777 — 250th Run —

	100	150	200	250	300	350
5362	632	520	787			
5363	382	300				
5364	725	657				
5365	865	817	Run Cube			
5366	800	767				
5367	862	830				
5368	890	882				
5369	912	905				
5370	850	842				
5371	885	880				
5372	892	887				
5373	895	897				
5374	927	880				
5375	915	850				
5376	812	840				
5377	932	870				
5378	937	912				
5379	921	880				
5380	922	842				
5381	927	767				
5382	910	835				
5383	927	865				
5384	925	892				
5385	850	712				

	5386	855	900	
13% KOH.	5387	865	915	
4.23	5388	762	925	
	5389	790	877	
11% KOH	5390	835	912	
4.30	5391	825	892	
	5392	757	817	
9% KOH.	5393	765	833	
4.21	5394	720	795	
	5395	700	748	
7% KOH.	5396	750	820	
4.21	5397	690	807	
21 Hole 005" 10f 24 green	5398	977	947	
3½ cut 4 rings 10f 24 Req green	5399	957	925	
4.32				
Run 5 times give to Holland	5400	975	942	
Dup 5398 Except 21 Hole Spiral	5401	1006	977	
4 Rings	5402	992	950	
4.42				
After 5 Runs goes to Holland	5403	980	945	
26 X 30 005" 10f 24 Req green	5404	955	927	
3½ cut 4 rings	5405	958	945	
4.26				
After 5 Runs give To Holland	5406	958	925	
Dup 5404	5407	990	955	
Except Spiral lube	5408	1013	975	
4.49				
Run 5 runs give to Holland	5409	1031	987	

	100	150	200	250				
5386	891	792						
5387	918	897						
5388	802	750						
5389	858	820						
5390	900	875						
5391	860	778			Laid aside			
5392	780	732						
5393	825	832						
5394	787	750						
5395	632	540						
5396	782	765						
5397	792	787						
5398	952	947	890	867				
5399	925	940	903	885				
5400	942	933	923	853				
5401	972	990	910	850				
5402	955	950	891	863				
5403	957	963	861	863	Set aside			
5404	940	967	947	867				
5405	937	963	890	963				
5406	927	957	890	863				
5407	972	893	903	847				
5408	967	977	897	860				
5409	967	940	863	860				

			Cals	80
Punched hole stock .005 10 of 24 green		5410	960	927
Req 3½ wt Req pack 4 rings		5411	946	927
	4.43	5412	961	930
5 Runs Then give to Holland				
Dup 5410 4 Rings		5413	962	922
Except spiral Tube	4.51	5414	995	957
5 Runs Then give to Holland		5415	950	922
2400 .005 24 Req green 10 plate		5416	942	920
Req pack 4 Rings	4.25	5417	962	925
5 Runs then go To Holland		5418	963	925
Dup 5416		5419	1001	972
Spiral Tube	4.48	5420	990	972
5 Runs Then go to Holland		5421	990	957
21 Hole .005 Spiral Req pack 4 Rings 10 th 24 Req green		5422	882	870
Top end not fastened		5423	927	900
21/4 10 Grams KOH	4.11	5424	917	895
Dup 5422		5425	945	972
26 X 30 .005 Spiral		5426	1007	945
Not fastened at Top 10 grms KOH	4.16	5427	875	898
21 Hole .005 10 of 24 Req green		5428	1140	832
Spiral		5429	1110	835
Run in 33% KOH	4.18	5430	1092	782
Dup 5428		5431	915	640
Punched stock		5432	1095	800
Spiral Run in 33% KOH	4.20	5433	1090	840



	100	150	200	250			
5410	937	907	830	783			
5411	920	910	833	793			
5412	925	893	833	787			
5413	853	820					
5414	963	947					
5415	837	797			set aside		
5416	917	913	850	827			
5417	955	890	853	797			
5418	940	947	863	807			
5419	965	953	857	807			
5420	960	830	910	873			
5421	967	967	927	890			
5422	897	890	850				
5423	500	905	863		CO		
5424	927	925	897				
5425	942	922	860				
5426	890	845	877				
5427	905	860	797				
5428	680	500					
5429	700	495					
5430	607	445			CO		
5431	505						
5432	647						
5433	575						

Dup 5428	5434	1127	800	
26X30 005 Spiral	5435	1145	750	
Run 33% KOH 4.20	5436	1145	800	
Dup 5428	5437	870	890	
30X34 005 Spiral	5438	1080	700	
Run 33% KOH 4.01	5439	1095	833	
21 Hole 0035 buns ground dont	5440	970	955	
nick 10f 24 Reg green 4 rings	5441	972	942	
Spiral Tube .21% 4.64	5442	930	892	
21 Hole 005 RA 707 not washed	5443	1091	980	
not filtered dried low heat	5444	1060	1012	
Reg 707 5.10	5445	1092	987	
Dup 5443	5446	1117	972	
26X30-005 spiral 707	5447	1100	987	
5.12	5448	1112	970	
26X30 005 RA 707 Half	5449	1163	1135	
wash, filtered dried high heat	5450	1175	1155	
707 5.56	5451	1177	1155	
Dup 5449	5452	1167	1185	
21 Hole 005 Spiral	5453	1200	1200	
707 556	5454	1185	1172	
21 Hole 005 Spiral RA 707	5455	1155	1107	
Half wash not filtered dried	5456	1157	1065	
low heat 5.04	5457	1180	1120	

	100	150	200	250	300	350	400
5434	600						
5435	550						
5436	582						
5437	492						
5438	555						
5439	632						
5440	975	967	867				
5441	980	965	830				
5442	920	922	817				
5443	940	820	723				
5444	980	917	847				
5445	942	860	770				
5446	920	815	807				
5447	940	930	837				
5448	872	795	700				
5449	1070						
5450	1135						
5451	1100						
5452	1175	1187	1090	1127	1153	1130	1117
5453	1170	1157	1020	1037	1076	1060	1067
5454	1135	1127	1040	1080	1100	1107	1083
5455	1075	1065	967	983	983	923	913
5456	1025	997	967	947	943	953	910
5457	1117	1097	907	887	893	957	930

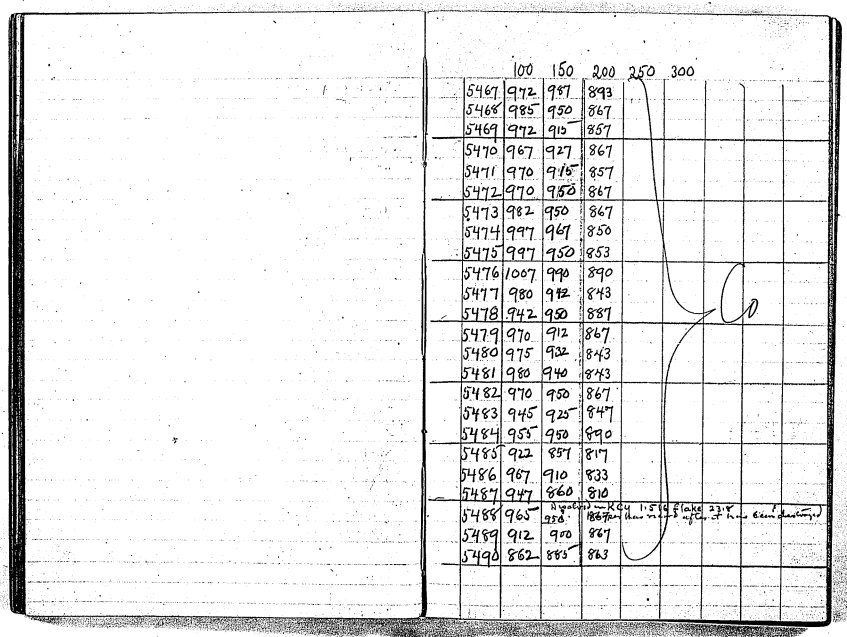
10+27 flake 25% flake
7k 23% flake

Thin tube had 5 [illegible] for hydration for water absorption

Thin Tube had 6.048 $m(OH)_2$

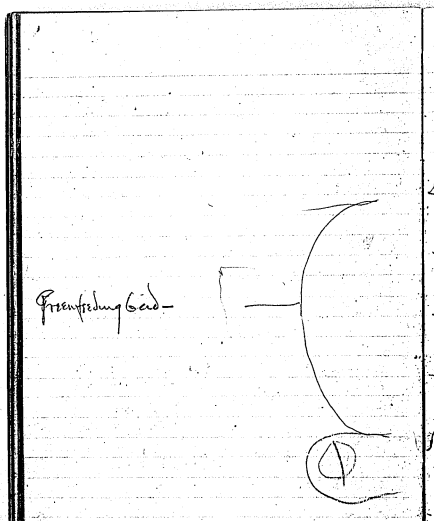
see #02 book for flake –

21 Hole .005 Spiral RA 707 Reg wash, filtered dried low heat	5467	952	937	
	5468	971	960	
4.46	5469	971	957	
Dup 5467 26x30 .005 spiral	5470	950	945	
	5471	987	947	
4.41	5472	1002	962	
21 Hole .005 Spiral - Reg number washes not filtered dried high heat,	5473	982	967	
	5474	997	985	
4.37	5475	1008	985	
Dup 5478 26x30 .005 Spiral -	5476	1022	995	
	5477	995	967	
4.43	5478	1010	922	
21 Hole .005 Spiral - Reg number washes filtered dried high heat	5479	947	935	
	5480	965	947	
4.40	5481	960	947	
Dup 5479 - 26x30 .005 Spiral	5482	987	942	
	5483	970	935	
4.47	5484	957	922	
21 Hole .005 Spiral Reg number washes not filtered dried low heat	5485	900	895	
	5486	945	935	
4.28	5487	931	917	
Dup 5485 26 X30 .005 Spiral -	5488	962	922	
	5489	968	887	
4.48	5490	972	857	



	100	150	200	250	300
5467	972	987	893		
5468	985	950	867		
5469	972	910	857		
5470	967	927	867		
5471	970	915	857		
5472	970	950	867		
5473	982	950	867		
5474	997	967	850		
5475	997	950	853		
5476	1007	990	890		
5477	980	972	843		
5478	942	950	887		
5479	970	912	867		
5480	975	932	843		
5481	980	940	843		
5482	970	950	867		
5483	945	925	847		
5484	955	950	890		
5485	922	897	817		
5486	967	910	833		
5487	947	860	810		
5488	965	938	867		
5489	912	900	867		
5490	862	883	863		

Hydrolysis — KCN 1.5 g, 8 [illegible] 23.8 [illegible]



Green feeding Gad

			Cal	89
21 Hole 005 spiral of rag green under Bell jar with Sponge-water for several hours		5491	972	
		5492	987	1004
	4.650	5493	1000	
Dup 5491		5494	865	822
Except green on Hot plate		5495	693	837
	4.160	5496	882	793
21 Hole 005 Spiral.		5497	1000	832
Not filtered, dried high heat		5498	982	792
Ni Ni feeds Gad	5.32	5499	967	822
Dup 5497		5500	1025	875
26X30 005 Spiral		5501	1030	720
Ni Feeds Gad	5.42	5502	1026	817
Dup 5497		5503	980	792
Except 21 Hole .0035 Spiral		5504	980	822
Ni feeds Gad	5.61	5505	1050	765
Dup 5497		5506	1072	920
Except 26x30 0035 spiral.		5507	1085	920
Ni feeds Gad	5.56	5508	1070	950
21 Hole 005 Spiral		5509	1196	1130
No wash filtered, dried low heat		5510	1212	1177
Rag 707	5.49	5511	1215	1117
Dup 5509		5512	1243	1175
21 Hole 0035 spiral		5513	1245	1170
	5.61	5514	1150	1170

5512 Original wt 8041 before KCy 8.139 gain 98 mily after KCy flake weighed - 2.260 or 28% -

5513 Original wt 7977 before KCy 8.071 gain 94 mily after KCy flake weighed 2.0726 or 25.8%

5514 Original wt 8.041 before KCy 8.139 gain 98 mily after KCy flake weighed 2.0655 or 25.2%

	100	150	200	250	300	350	400
5491	932	950	883	Co			
5492	947	965	890				
5493	957	975	927				
5494	842	787					
5495	855	790		Co			
5496	852	797					
5497	700	647					
5498	690	615					
5499	690	595					
5500	787	757					
5501	607	585					
5502	740	730	Co - [illegible]				
5503	675	625					
5504	687	670					
5505	755	787					
5506	855	822					
5507	865	812					
5508	877	817					
5509	1095	1102	1057	1053	857*	1047	1040
5510	1172	1167	1153	1167	1150		
5511	1092	1092	1080	1087	1107	1107	1087
5512	1172	Slim Cube Hard new surface or cleavage	5.705 mg/cm2 not quite 1m				
5513	1160	ditto 5.961					
5514	1197						

See other book/NOS for flakes.

Report on 5530 Lake 200 Runs -

Brown-Ends Blunt-not Long Lake Thin needle runs - Ruled with Faintly, very dense pearly white shell and brown crust

Not possible Thing about this Lake is name of perfection Closed cell Spore Lakes no flat flake formed up closing Holes flat in 1/2 to 3/4 of Lake Lake - Looks as if little pressure was used flake is brittle Light - Stained Light, End flake Lakes formed, is very much Contorted as if partially green Lamps - flake heat screen - The confusion is Like a flip Eye not smooth Lake present flakes - dark seem to be much agreed to it - Notice blurry ground nearly effect Lakes in numbers mixed - Examples of flakes in all of A, B, C - etc - Etc Impressive - it looks as if distant flakes - when light Lakes - generally dirty green brittle flakes - Ragged - if lamp provided flood flake is real metallic looking often discoloring not Work E altering Key Looks like C flake - unknown with poor ability flake under some conditions - brings system Faint very faint brownish - poor cell - your per cell -

70 flake is the 1st flake in which Iron was used as 1st Coat instead of Cobalt

5530

Notice Rubber all cooled

Continuous Fe_2O_3 some are

same Cm 5530. These

might be all rubber from

previous cccc not cccaned

Tubes brownish not bent, Insert grid clean

good looking cell -

x Crossed on wet asbestos

Dup 5509		5515	1230	1192
26X30 0035 spiral		5516	1230	1180
	5.61	5517	1238	1190
Dup 5509		5518	1207	1097
26X30 005 Spiral		5519	1192	1077
	5.48	5520	1175	1075
21 Hole 005 not washed filtered		5521	1197	920
dried high heat		5522	1166	1135
	5.84	5523	1137	1015
Dup 5521		5524	1150	1067
21 Hole 0035 Spiral		5525	1127	1000
	5.95	5526	1150	1030
Dup 5521		5527	1095	872 x
26X30 005 spiral		5528	1112	922
	5.77	5529	1082	872
21 Hole 005 Spiral -		5530	1183	1165
RA 707 - 1/2 wash, filtered,		5531	1157	1150
dried low heat	5.24	5532	1165	1137
Dup 5530.		5533	1217	1177
21 Hole 0035 spiral -		5534	1207	1182
	5.35	5535	1210	1220
Dup 5530		5536	1145	1115
26X30 005 Spiral -		5537	1137	1095
	5.27	5538	1177	1050 62

Look out for 2826 A
2826 B =

25Bi.75Te made by RA.707 72. 5% H2O

Best run 400 Flat runs

A 1930 t.V 3000½V
B 1800 " 2470

Undoped Hemp
not flow like
Reg

	100	150	200	250	300	350	400
5515	1172	1175	1130	1100			
5516	1175	1170	1167	1100			
5517	1162	1153	983	960			
5518	1047	1037	963	997			
5519	1025	1025	983	990			
5520	1032	990	893	933			
5521	727	650	527				
5522	1095	1117	1070				
5523	927	885	780				
5524	1032	1005	953	987			
5525	957	900	830	913			
5526	995	945	897	947			
5527	822	771					
5528	870	815					
5529	760	657					
5530	1150	1172	1190				
5531	1137	1145	1163	1143	1130	1143	1050
5532	1127	1137	1167	1127	1123	1123	1073
5533	1155	1147	1170	1093	1087	1087	1060
5534	1157	1140	1160	1040	1000	1020	1010
5535	1180	1185	1197	1083	1050	1087	1067
5536	1095	1072	1067	1030	1000	1033	1020
5537	1097	1097	1097	1090	1067	1123	1067
5538	1100	1073	1067	1040	1023	1033	1020

Co

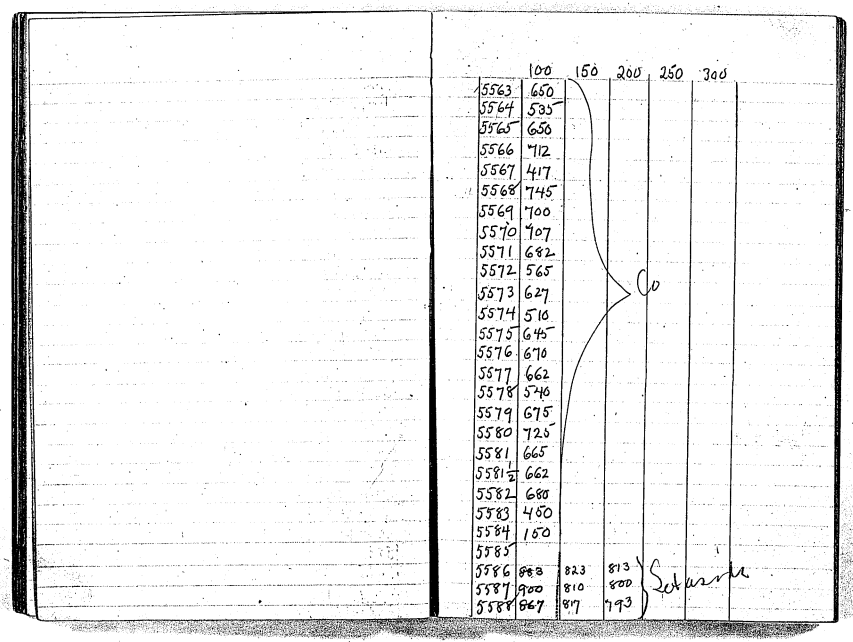
Set

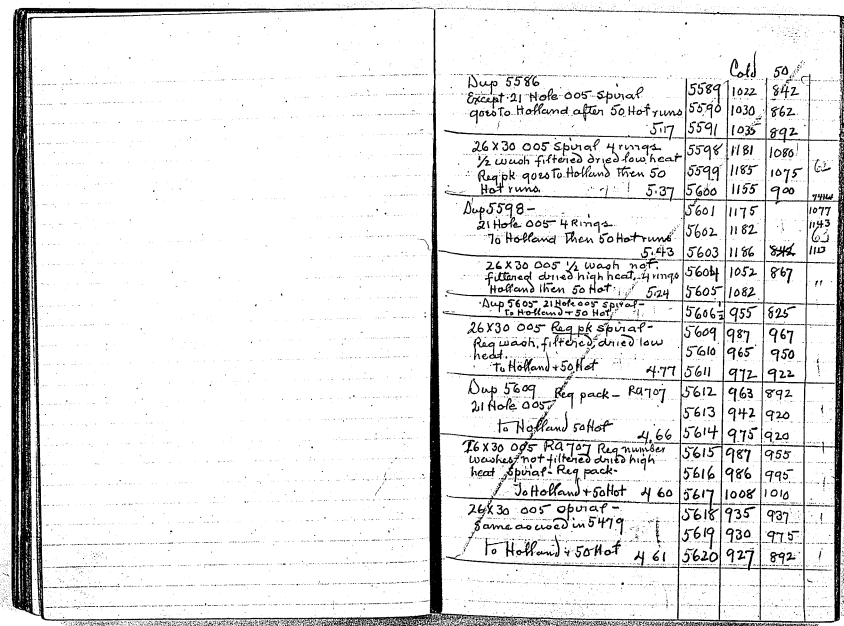
Dup 5530	5539	1207	1207	
26X30 .0035 spiral	5540	1233	1205	
5.29	5541	1232	1215	
Dup 5530	5542	1207	1177	
30X34 .005 spiral	5543	1195	1185	
5.114	5544	1212	1035	
21 Hole .0035 Spiral	5545	1166	777	
Req Run 33⅓ KOH.	5546	1187	347	
4.73	5547	1203	875	
Dup 5545	5548	1158	757	
26X30 .0035 spiral	5549	1257	892	
Run 33⅓ KOH 4.69	5550	1218	877	
Dup 5449	5551	1000	665	
Except	5552	1032	777	
Run 33⅓ KOH 5.80	5553	1032	807	
Dup 5452	5554	1023	750	
Run in 33⅓ KOH.	5555	1015	805	
5.85	5556	950	760	
21 Hole .0035 Spiral Req pack	5557	1042	970	
10 of 24 Req 9 reps 4.69	5558	1060	997	
10 gms KOH each cell	5559	1070	982	
26X30 .0035 10 of 24 Req 9	5560	1041	995	
Run 10 gms KOH	5561	1037	992	
Each cell 4.90	5562	1057	992	

5544 - Swollen Gorkem on accom - 150R

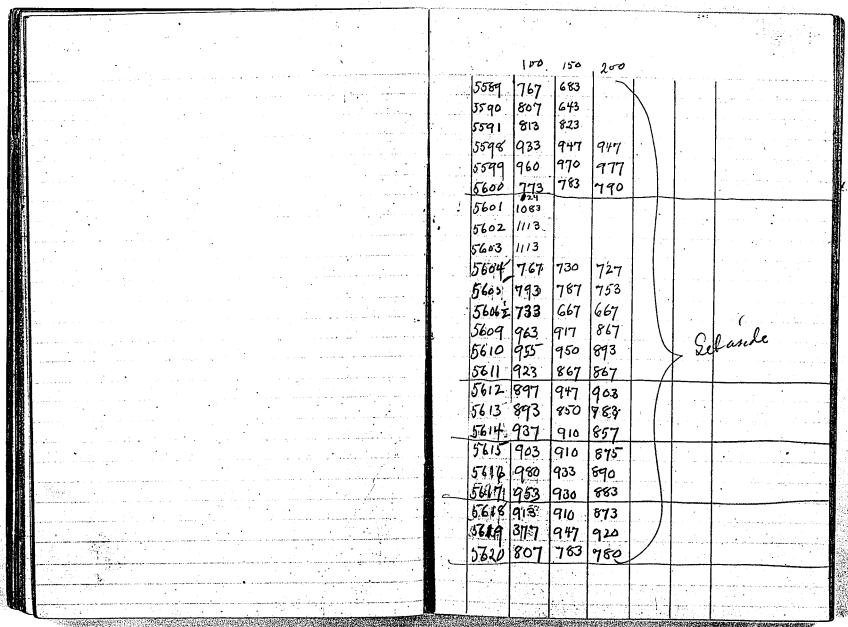
	100	150	200	250	300	350	400	
5539	1132	1105	1074	910	907	933	890	Left ovaries
5540	1147	1160	1103	987	990	1063	987	
5541	1185	1195	1147	950	933	1013	1000	
5542	1140	1117	1113	1027	993	957	933	Right ovaries
5543	1167	1182	1193	1050	1000	1027	917	
5544	930	862*	747*	643*	600*	593*	493	
5545	680							
5546	700							
5547	730							
5548	682							
5549	812							
5550	742							
5551	580							
5552	630							
5553	600							
5554	612							
5555	630							
5556	562							
5557	982							
5558	1007							
5559	962							
5560	995							
5561	1007							
5562	985							

			Cold	50	
21 Hole 005 spiral		5563	1176	790	
Reg pack 5 Rings		5564	1122	665	
Run 33% KOH.	4.61	5565	1206	450	
Dup 5563		5566	1218	840	
21 Hole 0035 5 Rings		5567	772	515	
Run 33% KOH	4.61	5568	1188	915	
26X30 spiral 0035		5569	1217	845	
5 Rings		5570	1200	865	
Run 33% KOH	4.51	5571	1175	862	
Dup 5569		5572	1130	722	
26X30 005 5 Rings		5573	1135	772	
Run 33% KOH	4.64	5574	1137	385	
21 Hole 005 spiral 5 Rings		5575	1027	850	
½ wash filtered dried high heat		5576	992	720	
same as used in 5449					
Reg pk Run 33% KOH	5.83	5577	1018	842	
Dup 5575		5578	1070	690	
21 Hole 0035 5 Rings		5579	1085	880	
Run in 33% KOH	5.96	5580	1110	867	
Same as used in 5449 RA 707		5581	1110	787	
26X30 0035 5 Rings		5582	1110	847	
Run 33% KOH.	5.93		1080	847	
Dup 5581 Except		5583	942	645	
26X30 005 spiral		5584	862	520	
5 Rings - Run 33% KOH	5.92	5586	1111	890	
26X30 005 Spiral;		5587	1111	955	
No wash not filtered, dried low heat		5588	1110	937	
To Holland then 50 Hot runs Then					
to Holland 4 Rings K.7	5.26				


100
150
200
250
300
5563 650
5564 535
5565 656
5566 712
5567 417
5568 745
5569 700
5570 707
5571 682
5572 565
5573 627
5574 516
5575 645
5576 670
5577 662
5578 546
5579 675
5580 725
5581 665
5581½ 662
5582 680
5583 460
5584 150
5585
5586 883 823 813
5587 900 810 800
5588 867 817 793
Schwarz

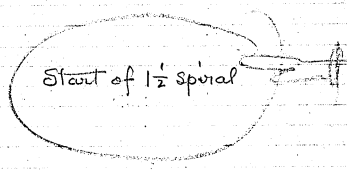


			Cold	50	
Dup 5586 Except 21 Hole 005 spiral goes To Holland after 50 Hot runs 5.17		5589	1022	842	
		5590	1030	862	
		5591	1035	892	
26 X 30 005 spiral 4 rings ½ wash filtered dried low heat Req pk goes To Holland then 50 Hot runs 5.37		5598	1181	1080	
		5599	1185	1075	
		5600	1155	900	
Dup 5598 – 21 Hole 005 – 4 Rings To Holland Then 50 Hot runs 5.43		5601	1175		1077
		5602	1182		1143
		5603	1186		1113
26 X 30 005 ½ wash not filtered dried high heat 4 rings Holland then 50 Hot 5.24		5604	1052	867	"
		5605	1082		
Dup 5605 21 Hole 005 spiral – To Holland + 50 Hot		5606	955	825	
26 X 30 005 Req pk spiral – Req wash, filtered, dried low heat. To Holland + 50 Hot 4.77		5609	987	967	
		5610	965	950	
		5611	972	922	
Dup 5609 Req pack – RA707 21 Hole 005 To Holland 50 Hot 4.66		5612	963	892	
		5613	942	920	
		5614	975	920	
16 X 30 005 RA707 Req number washed not filtered dried high heat spiral Req pack To Holland + 50 Hot 4.60		5615	987	955	
		5616	986	995	
		5617	1008	1010	
26 X 30 005 spiral – Same as used in 5479 To Holland + 50 Hot 4.61		5618	935	937	
		5619	930	975	
		5620	927	892	



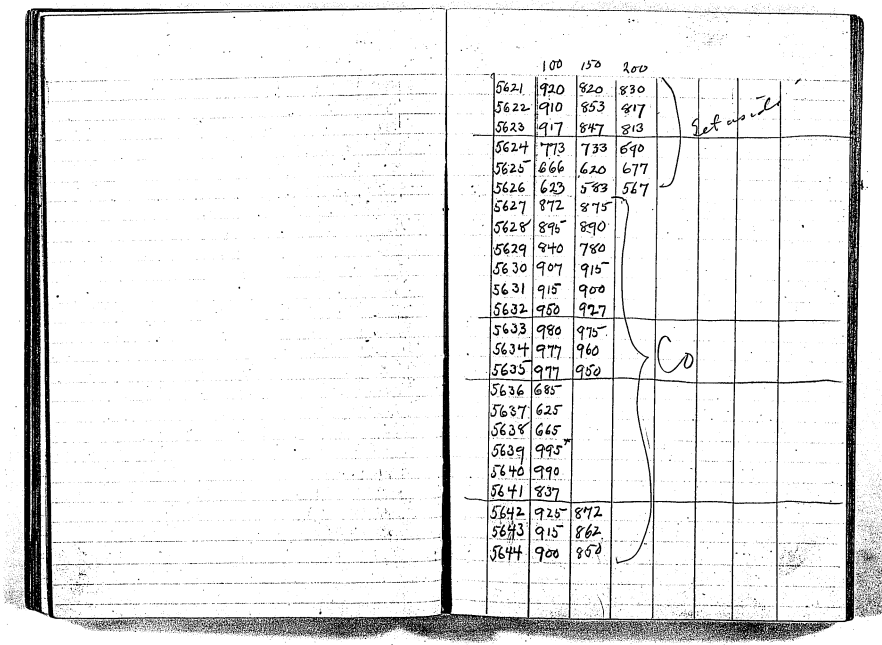
	100	150	200				
5589	767	683					
5590	807	643					
5591	813	823					
5598	933	947	947				
5599	960	970	977				
5600	773 (24)	783	790				
5601	1083						
5602	1113						
5603	1113						
5604	767	730	727				
5605	793	787	753				
5606	733	667	667				
5609	963	917	867				
5610	955	950	893				
5611	923	867	867				
5612	897	947	903				
5613	893	850	783				
5614	937	910	857				
5615	903	910	875				
5616	980	933	890				
5617	953	930	883				
5618	913	910	873				
5619	3137	947	920				
5620	807	783	780				

Set aside

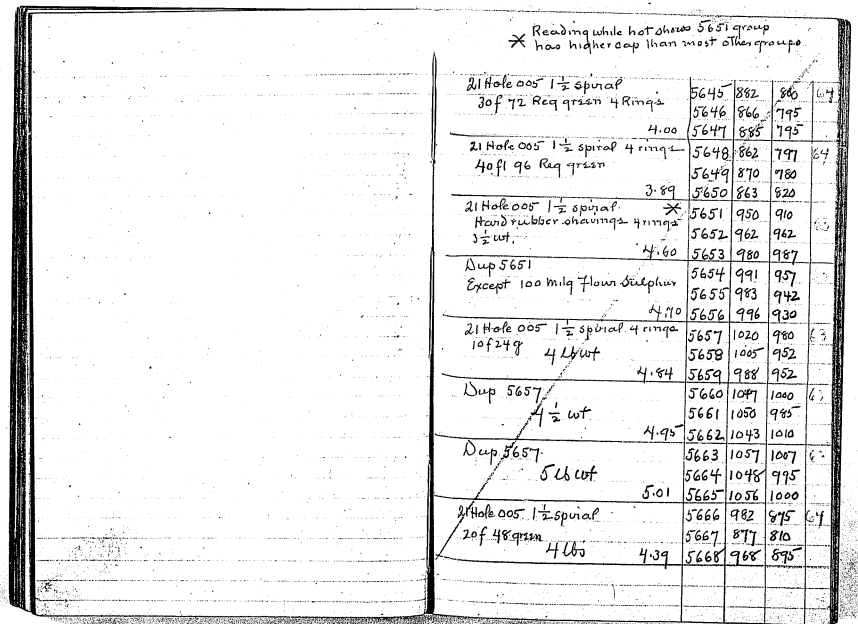


Start of 1½ Spiral

26x30 005 Spiral same as used in 5485	5621	910	945	63	
to Holland + 50 Hot	5622	928	967	1	
4.63	5623	892	930		
26x30 005	5624	977	885	1	
Same as used in 5497	5625	977	805		
to Holland + 50 hot 5.59	5626	1011	860	1	
21 Hole 005 1½ SPIRAL 4 Rings - 10f 24 Req green Req pk	5627	992	830	62	
	5628	1000	860		
Hole62 4.68	5629	975	812	11	
21 Hole 005 1½ Spiral 5 Rings	5630	950	845	62	
	5631	1015	865	1	
f62 4.67	5632	1016	897		
Dup 5630 Except 21 Hole 0035 4 Rings	5633	990	917	62	
	5634	1011	930	1	
f62 4.78	5635	982	897		
21 Hole 005 1½ Spiral - 5 Rings Req pack 10 of 24	5636	1150	740	63	
	5637	1142	757	1	
f63 30% KOH 4.66	5638	1145	740	1	
Dup 5636 1½ Spiral - 4 Rings	5639	1020	982		
	5640	975	927	63	
10 grms RCP. 4.70	5641	922	800		
21 Hole 005 1½ Spiral 4 Rings 20f 48 Req green	5642	935		64	
	5643	943			
4.49	5644	942		1	

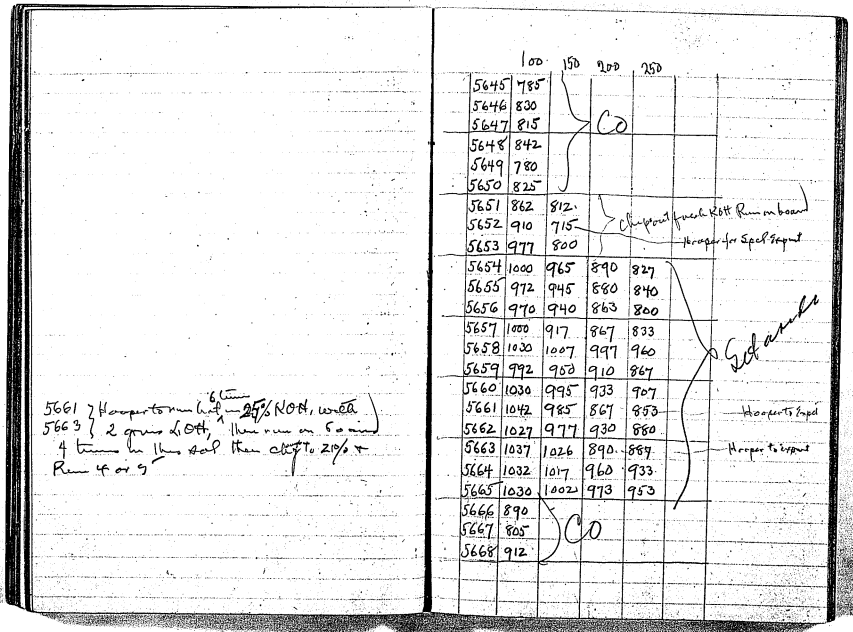


	100	150	200	
5621	920	820	830	
5622	910	853	817	
5623	917	847	813	Set aside
5624	773	733	690	
5625	666	620	677	
5626	623	583	567	
5627	872	875		
5628	896	890		
5629	840	780		
5630	907	915		
5631	915	900		
5632	950	927		
5633	980	975		
5634	977	960		Co
5635	977	950		
5636	685			
5637	625			
5638	665			
5639	995			
5640	990			
5641	837			
5642	925	872		
5643	915	862		
5644	900	858		

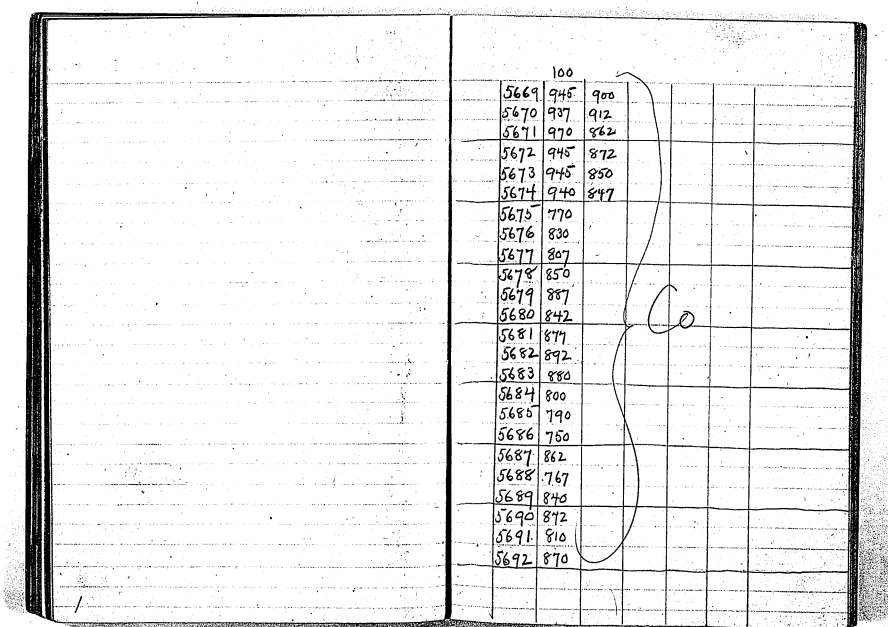


* Reading while hot shows 5651 group has higher cap than most other groups

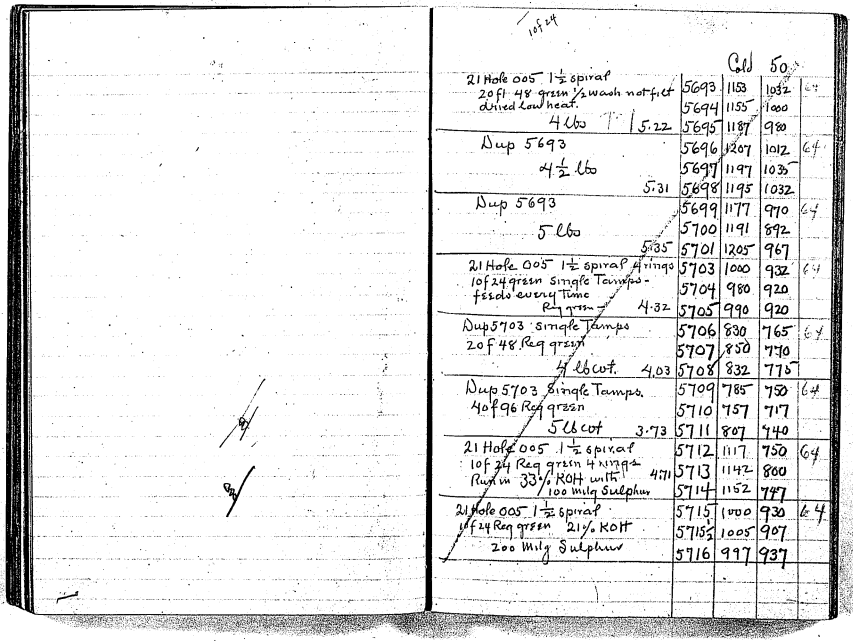
21 Hole 005 1½ spiral 30f 72 Req green 4 Rings 4.00	5645	882	886	64
	5646	866	795	
	5647	885	795	
21 Hole 005 1½ spiral 4 rings 40f 96 Req green 3.89	5648	862	791	64
	5649	870	780	
	5650	863	820	
21 Hole 005 1½ spiral * Hard rubber shavings 4 rings ½ cwt. 4.60	5651	950	910	63
	5652	962	962	
	5653	980	987	
Dup 5651 Except 100 mlg flown Sulphur 4.70	5654	991	957	
	5655	983	942	
	5656	996	930	
21 Hole 005 1½ spiral 4 rings 10f 24 g 4 Lb wt 4.84	5657	1020	980	63
	5658	1005	952	
	5659	988	952	
Dup 5657 4½ cwt 4.95	5660	1049	1000	62
	5661	1050	985	
	5662	1043	1010	
Dup 5657 5 Lb cwt 5.01	5663	1057	1007	62
	5664	1048	995	
	5665	1056	1000	
21 Hole 005 1½ spiral 20f 48 green 4 Lbs 4.39	5666	982	895	64
	5667	877	810	
	5668	968	895	


100 150 200 250
5645 785
5646 830
5647 815
CO
5648 842
5649 780
5650 825
5651 862 812
5652 910 715
5653 977 800
Chipwood finish Kott Rum on board
Hooper for Spell Sequent
5654 1000 965 890 827
5655 972 945 880 840
5656 970 940 863 800
5657 1000 917 867 833
5658 1030 1007 997 960
5659 992 958 910 867
5660 1030 995 933 907
5661 1042 985 867 853
5662 1027 977 930 880
5663 1037 1026 890 889
5664 1032 1017 960 933
5665 1030 1002 973 953
5666 890
5667 805
CO
5668 912
Hoopers Sequent
Hooper to sequent
5661 } Hooper to run left in 6 min 25% NOH, worka
5663 } 2 gone 20th, then run on 5 min
4 times in the half then okay to 21% +
Run 4 or 5

			Cold	50	
Dup 5666		5669	991	940	64
4½ lb wt		5670	987	912	
	4.69	5671	1021	945	
Dup 5666		5672	995	915	64
5 Lb wt		5673	1027	912	
	4.64	5674	1030	927	
21 Hole 005 1½ spiral		5675	890	770	64
30 fl oz Reg green		5676	938	820	
4 Lb wt	4.05	5677	933	833	
Dup 5675		5678	932	845	64
4½ Lb wt		5679	932	867	
	4.13	5680	922	850	
Dup 5675		5681	980	880	64
5 Lb wt		5682	975	892	
	4.22	5683	977	875	
21 Hole 005 1½ spiral 4 rings		5684	877	797	64
40 fl oz Reg green		5685	910	800	
4 Lb wt	3.96	5686	867	782	
Dup 5684		5687	922	845	64
4½ Lb wt		5688	900	797	
	4.05	5689	920	822	
Dup 5684		5690	947	857	64
5 Lb wt		5691	927	812	
	4.13	5692	937	855	

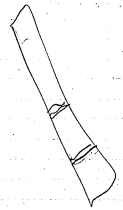


	100	
5669	945	900
5670	937	912
5671	970	862
5672	945	872
5673	945	850
5674	940	847
5675	770	
5676	830	
5677	807	
5678	850	
5679	887	
5680	842	
5681	879	
5682	892	
5683	880	
5684	800	
5685	790	
5686	750	
5687	862	
5688	767	
5689	840	
5690	892	
5691	810	
5692	870	



10 of 24

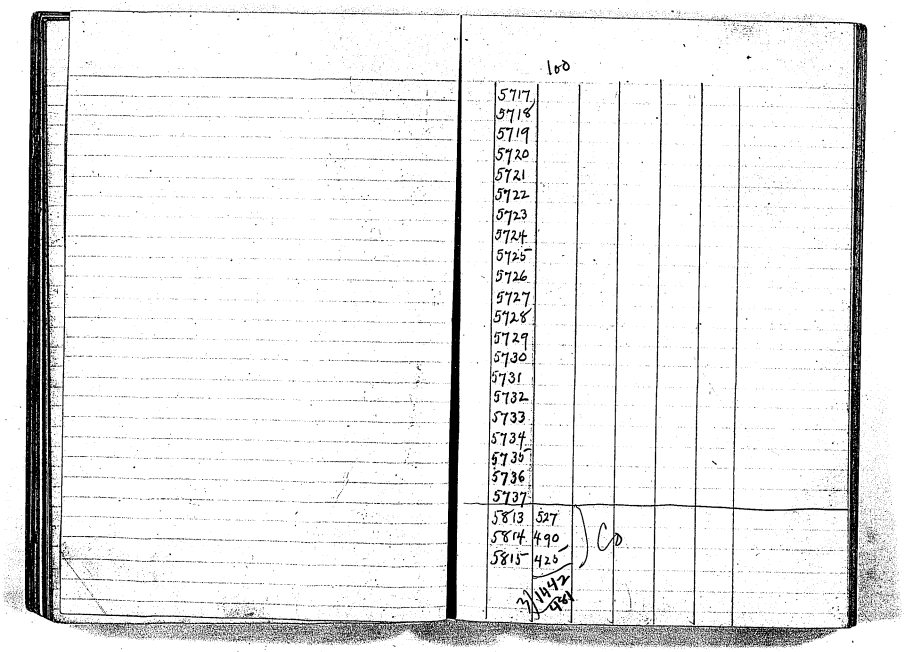
		Cold	50	
21 Hole 005 1½ spiral 20 of 48 green ½ wash not fict dried Low heat. 4 lbs 5.22	5693	1153	1032	64
	5694	1155	1000	
	5695	1187	980	
Dup 5693 4½ lbs 5.31	5696	1207	1012	64
	5697	1197	1035	
	5698	1195	1032	
Dup 5693 5 lbs 5.35	5699	1177	970	64
	5700	1191	892	
	5701	1205	967	
21 Hole 005 1½ spiral 4 rings 10 of 24 green single Temps - fessels every Time Req green 4.32	5703	1000	932	64
	5704	980	920	
	5705	990	920	
Dup 5703 single Temps 20 of 48 Req green 4 lbs cut. 4.03	5706	830	765	64
	5707	850	790	
	5708	832	775	
Dup 5703 Single Temps. 40 of 96 Req green 5 lbs cut 3.73	5709	785	750	64
	5710	757	717	
	5711	807	740	
21 Hole 005 1½ spiral 10 of 24 Req green 4 rings Run in 33% KOH with 100 mlg Sulphur 4.71	5712	1117	750	64
	5713	1142	800	
	5714	1152	787	
21 Hole 005 1½ spiral 10 of 24 Req green 21% KOH 200 Mlg Sulphur	5715	1000	930	64
	5715½	1005	907	
	5716	997	937	



		100
5693	987	902
5694	1012	962
5695	950	862
5696	1010	947
5697	1000	935
5698	1010	950
5699	942	855
5700	850	740
5701	925	830
5702		
5703	915	
5704	847	
5705	885	
5706	737	
5707	775	
5708	725	
5709	697	
5710	665	
5711	745	
5712	630	
5713	635	
5714	505	
5715	860	
5715½	765	
5716	885	

Long 4" Tubes	5717	1374			68
21 Hole .005 1½ spiral	5718	1356			
10 of 24 Reg green · 6 rings	5719	1325			
not sprung made in Big machine	5720	1384			
19D"	5721	1372			
	5722	1356			
168 average 7.12	5723	1336			
Dup of 5717	5724	1483			
Except green No wash filtered	5725	1447			
dried low heat RA 709	5726	1390			
16D" 709 RA	5727	1380			
	5728	1373			
	5729	1400			
168. average 7.80	5730	1443			
Dup 5717	5731	1510			68
½ wash not filter. dried low heat	5732	1443			
	5733	1460			
	5734	1447			
18 709 RA	5735	1390			
	5736	1437			
average 7.71	5737	1443			
21 Hole 005 1½ spiral 5.29	5813	1069	687		67
3½ lot ½ wash not filter	5814	1042	650		
dried low heat 4 ring 10 of 24 & 27% NaOH 2 grnd di OH	5815	1095	650		
709 RA 1-707					

5810
11
12



100

5717
5718
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5720
5721
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5737

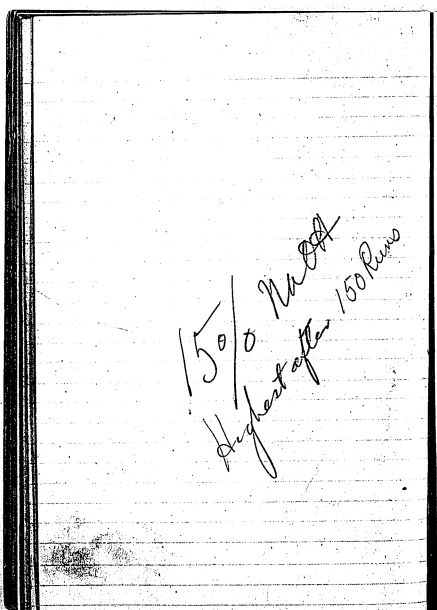
5813 527
5814 490
5815 426

Co

3/14/47
Pay

Notice flake used in 5813 Series 67 after dissolving out flake by KCl test it was determined Lindy Lake Co flake whereas flake from Bad Lake is Bronze yellow like in 67 a Coarsening = Letter is The Tough Variety of flake number (16) 67 of Portage Kind flake —

		Cold	50	
25% NaOH	5816	1120	870	67
2 grms LiOH each cell	5817	850*	845	
5.15	5818	1000	825	
	5819	1247	1042	"
23% NaOH. 5.06	5820	1275	1000	
2 grms LiOH each cell	5821	1287	1042	1058
21% NaOH 5.15	5822	1196	1272	
2 grms LiOH each cell	5823	1305	1272	"
	5824	1277	1247	1314
19% NaOH 5.167	5825	1270	1300	
2 grms LiOH each cell	5826	1252	1310	"
	5827	1280	1310	1307
17% NaOH 5.12	5828	1272	1247	
2 grms LiOH each cell	5829	1232	1247	"
	5830	1247	1270	1255
15% NaOH 5.05	5831	1185	1192	
2 grms LiOH each cell	5832	1227	1292	"
	5833	1217	1247	1304
13% NaOH 5.15	5834	1217	1190	
2 grms LiOH each cell	5835	1227	1190	"
	5836	1215	1190	1199
11% NaOH	5837	1172	1130	"
2 grms LiOH each cell	5838	1260	1112	
	5839	1207	1127	1165



	100	150	200			
5816	747					
5817	700					
5818	620					
5819	837	570	373			
5820	815	527	333			
5821	815	523	323			
5822	1090	747	533			
5823	1070	790	563			
5824	1110	810	563			
5825	1217	947	650			
5826	1282	1033	753			
5827	1285	1027	717			
5828	1292	1140	843			
5829	1237	1083	877			
5830	1325	1127	883			
5831	1190	1170	1067	963		
5832	1222	1247	1143	1067		
5833	1200	1190	880	903		
5834	1172	1100	980	893		
5835	1072	1040	873	797		
5836	1107	1050	993	787		
5837	1032	957	877	723		
5838	1025	953	733	643		
5839	1010	967	847	787		

7/20 6/86 7

Progressive

Setback

3/2933/978

3/2690/897

3/3090/1030

Setback

6% flake = made by Reg Copper cum process
crushed and distilled water only -
agitated, Continuously + no cy =

3/1349
3/16

9% NaOH				50	
2 grms LiOH each cell	5840	1187	1115		6%
	5841	1185	1087		
	5842	1180	1115	1106	
21 Hole 005 1½ spiral 3½ wt.					
10 fr 24 green ½ wash not filter	5846	1337	1375		"
dried lab heat. 7058 5.18	5847	1337	1345		
27% KOH	5848	1337	1365	1362	
½ gram LiOH each cell					
25% KOH	5849	1307	1302		"
2 grms LiOH "	5850	1320	1325		
5.19	5851	1320	1322	1316	
23% KOH	5852	1260	1297		"
2 grms LiOH "	5853	1227	1252		
5.23	5854	1232	1275	1270	
21% KOH	5855	1192	1232		
2 grms LiOH "	5856	1187	1212		"
5.22	5857	1192	1220	1222	
19% KOH	5858	1170	1240		
2 grms LiOH "	5859	1180	1180		"
5.24	5860	1180	1247	1216	
17% KOH	5861	1167	1187		
2 grms LiOH "	5862	1157	1187		"
5.25	5863	1150	1175	1169	
15% KOH	5864	1142	1127		
2 grms LiOH "	5865	1160	1147		"
5.18	5866	1157	1142	1159	

X low voltage beyond limit

	100	150	200	250	300	
5840	995	933	787			Set aside
5841	915	880	867			
5842	1000	943				
5843	1370	1303	1220 1207	1243	1050	
5844	1370	1290	1080 1033	1203	1067	
5845	1362	1307	1133	1133	1037	
5849	1317	1087	933	1223	1193	
5850	1350	1077	1080	1247	1133	
5851	1400	1078	883	1227	1100	3 | 3426 / 1142
5852	1350	1287	887	1280	1153	
5853	1287	1247	533	1163	1110	
5854	1312	1310	1133	1220	1143	
5855	1232	1040	447 1320	987	980	
5856	1210	1037	1007	1040	1057	7 | 3114 / 1038
5857	1217	1057	920	1003	1077	
5858	1187	1100	817	990		7 | 3070 / 1010
5859	1147	1077	497	977		
5860	1212	983	903	860		
5861	1100	977	890	823		
5862	1112	1020	923	663		
5863	1057	980	867	657		Set aside
5864	1010	823	833	622		
5865	1022	887	283	527		
5866	1030	823	780	733		

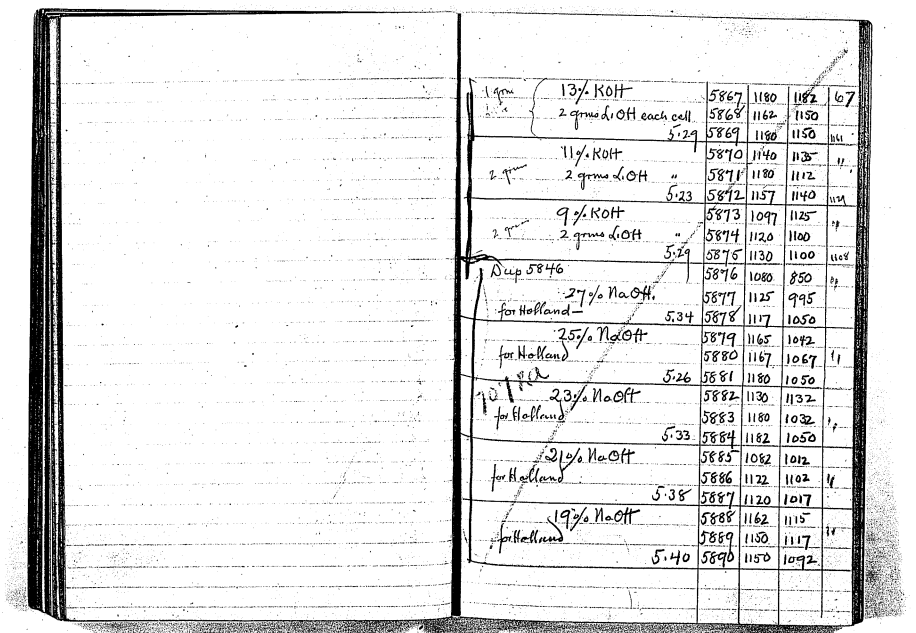
3 \| 10067 / 1356

3 \| 3237 / 1079

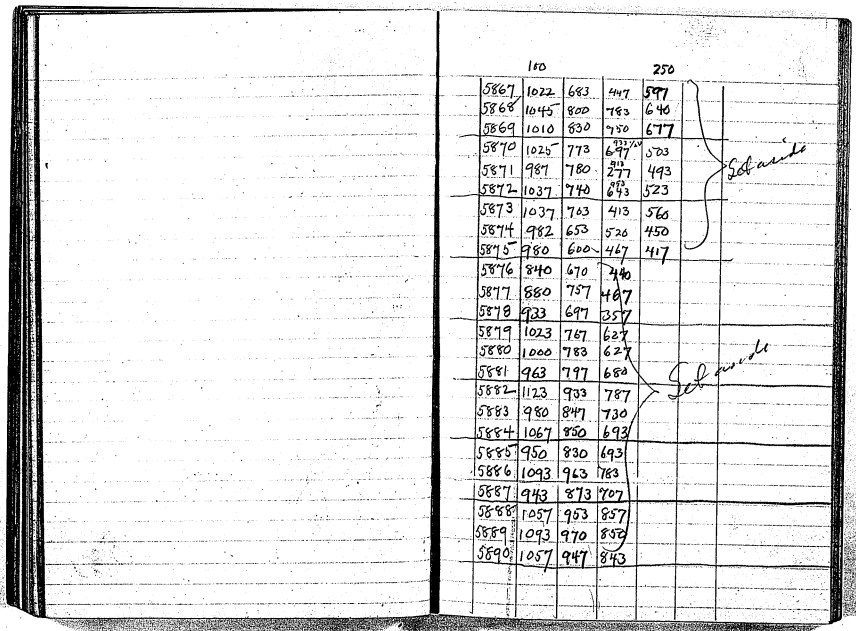
3 \| 2896 / 965

5864 to 5875

Some doubt about Chad 1001,
1st Run Cold none had 1100
by next run
Run 3 or 4 runs total Change
of 200 than done all and from
others not



1 gm	13% KOH	5867	1180	1182	67
	2 grms Li_2O each cell	5868	1162	1150	
	5.29	5869	1180	1150	1161
	11% KOH	5870	1140	1135	"
2 gm	2 grms Li_2O "	5871	1180	1112	
	5.23	5872	1157	1140	1134
	9% KOH	5873	1097	1125	"
2 gm	2 grms Li_2O "	5874	1120	1100	
	5.29	5875	1130	1100	1108
	Dup 5846	5876	1080	850	"
	27% NaOH.	5877	1125	995	
	for Holland — 5.34	5878	1117	1050	
	25% NaOH	5879	1165	1092	
	for Holland	5880	1167	1067	"
	5.26	5881	1180	1050	
1 gm	23% NaOH	5882	1130	1132	
	for Holland	5883	1180	1032	"
	5.33	5884	1182	1050	
	21% NaOH	5885	1082	1012	
	for Holland	5886	1122	1102	"
	5.38	5887	1120	1017	
	19% NaOH	5888	1162	1115	
	for Holland	5889	1150	1117	"
	5.40	5890	1150	1092	



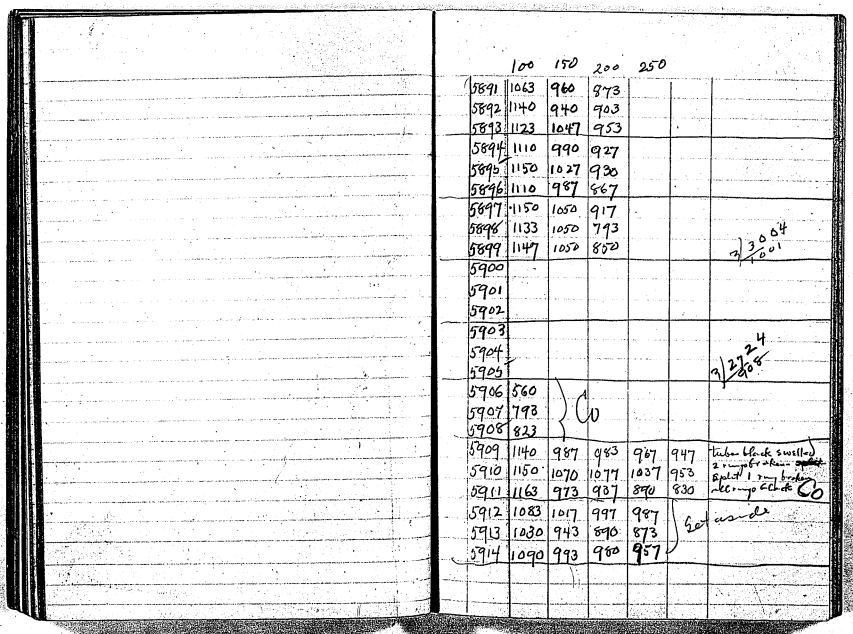
		180			250	
5867	1022	683	447	597		
5868	1045	800	783	640		
5869	1010	830	750	677		
5870	1025	773	697 3/4	503		Edwards
5871	987	780	817 277	493		
5872	1037	740	853 643	523		
5873	1037	703	413	560		
5874	982	653	526	450		
5875	980	600	467	417		
5876	840	670	440			
5877	880	757	467			
5878	933	697	357			
5879	1023	767	627			
5880	1000	783	627			Edwards
5881	963	797	680			
5882	1123	903	787			
5883	980	847	730			
5884	1067	850	693			
5885	950	830	693			
5886	1093	963	783			
5887	943	873	707			
5888	1057	953	857			
5889	1093	970	853			
5890	1057	947	843			

for Holland 17% NaOH.	5891	1135	1080	67
	5892	1185	1150	
	5893	1167	1147	
for Holland 15% NaOH	5894	1170	1150	4
	5895	1212	1180	
	5896	1155	1127	
for Holland. 13% Na OH.	5897	1170	1110	
	5898	1175	1110	4
	5899	1187	1187	
	5900			
	5901			
	5902			
	5903			
	5904			
	5905			
21 Hole 005 1½ spiral 4 rings 3½ cut - 4 rings 18 [illegible] 9 rings Before Running on board Rating Lids against each 3 hours at 200 Then Run Reg 4,6	5906	1075		67
	5907	1075		
	5908	1067		
21 Hole 005 1½ spiral 4 Rings 3½ cut ½ wash not filler dried low heat 10 Cobalt f 24 5,40	5909	1180	1170	68
	5910	1182	1212	
	5911	1180	1195	
21 Hole 005 1½ spiral 3½ 5 flak ½ thickness 24½ wash not filler, dried low heat 5,92	5912	1235	1169	
	5913	1215	1112	
	5914	1245	1160	

So that no yellow on rubber

Note Capacity

So that all hose just a slight yellow in places on rubber



	100	150	200	250		
5891	1063	960	873			
5892	1140	940	903			
5893	1123	1047	953			
5894	1110	990	927			
5895	1150	1027	930			
5896	1110	987	867			
5897	1150	1050	917			
5898	1133	1050	793			
5899	1147	1050	850			7/3004/1001
5900						
5901						
5902						
5903						
5904						
5905						3/2724/908
5906	560					
5907	793					
5908	823					
5909	1140	987	983	967	947	timber block swelled
5910	1150	1070	1077	1037	953	2 number 2 beam
5911	1163	973	907	890	830	Replaced 1 in broke
5912	1083	1017	997	987		
5913	1030	943	890	873		
5914	1090	993	980	957		

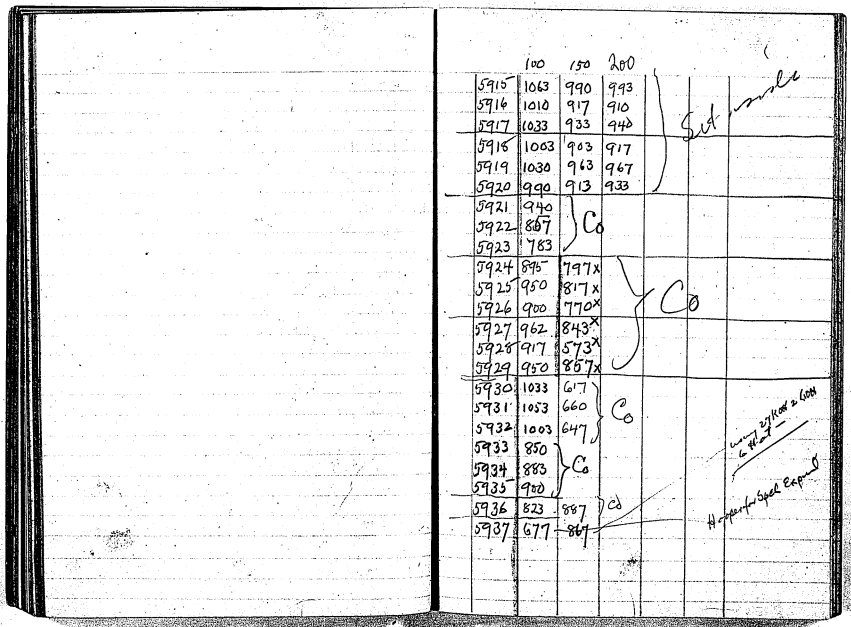
50 Hot only faint patches yellow on Rubber

Phenomenon 5933 group Reg grown with the removal of crumbled Reg stems good evergrn 1225 for colonies group – 4th run 4 grass

3457-8 in Pb. 20 to 80 worn Bongs 5 5 grm } Both from Holland

9475 – Fervon Ammonia Sulfate

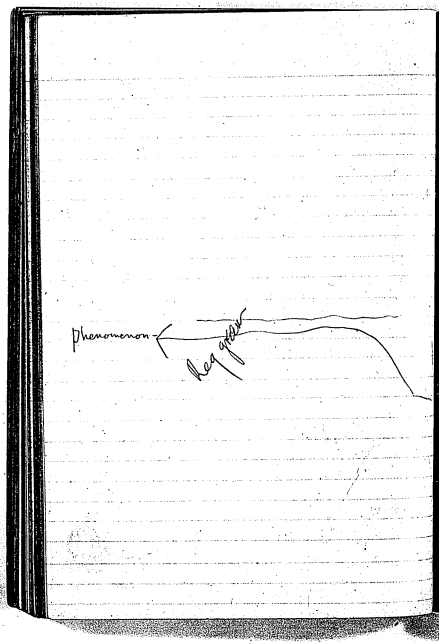
Dup 5912	5915	1230	1130	-
4 Lbs wet 6.017	5916	1250	1100	
	5917	1267	1135	
Dup 5915	5918	1255	1115	
4½ Lbs wet 6.12	5919	1247	1130	
	5920	1232	1085	
Dup 5915	5921	1247	1027	
5 Lbs wet 6.15	5922	1257	962	
	5923	1202	935	
21 Hole 005 1½ spiral 10 x 24 gr ½ wash. not filter dried low heat 4 Rings 3½ wet	5924	1192	1025	67
	5925	1230	1085	
10 grms KCl capheell 5.26	5926	1232	1035	
Dup 5924 4 Lbs wet	5927	1205	1085	67
10 grms KCl	5928	1215	1060	
5.36	5929	1195	1125	
21 Hole 005 1½ spiral 3½ wet 0	5930	1145	1072	66
4 rings 10 of 24 Reg. Wi – after 5 Runs Yun Not Test removed 0	5931	1170	1100	
all the time 4.61 0	5932	1142	1147	
21 Hole 005 1½ Spiral 0	5933	0	1097	68
Use Ni. Strip changed Reverse all time 0	5934	2	1065	
5 Hot Runs 4.5 5/8	5935	1	1085	
Hole 68				
Dup 5933 assembled with 3457-8 5 gm after pulled them with Tweezers continuous 5 Hot 0	5936	1100	1120	60
Dup 5933 assembled with 9475 other Half of Hole with Reverse continuing 50 hot runs 0	5937	1140	912	



	100	150	200	
5915	1063	990	993	Sat. mole
5916	1010	917	910	
5917	1033	933	940	
5918	1003	903	917	
5919	1030	963	967	
5920	990	913	933	
5921	940			
5922	887			Co
5923	783			
5924	895	797x		
5925	950	817x		Co
5926	900	770x		
5927	962	843x		
5928	917	573x		
5929	950	857x		
5930	1033	617		
5931	1053	660		Co
5932	1003	647		
5933	850			
5934	883			Co
5935	900			
5936	823	887		Co
5937	677	867		

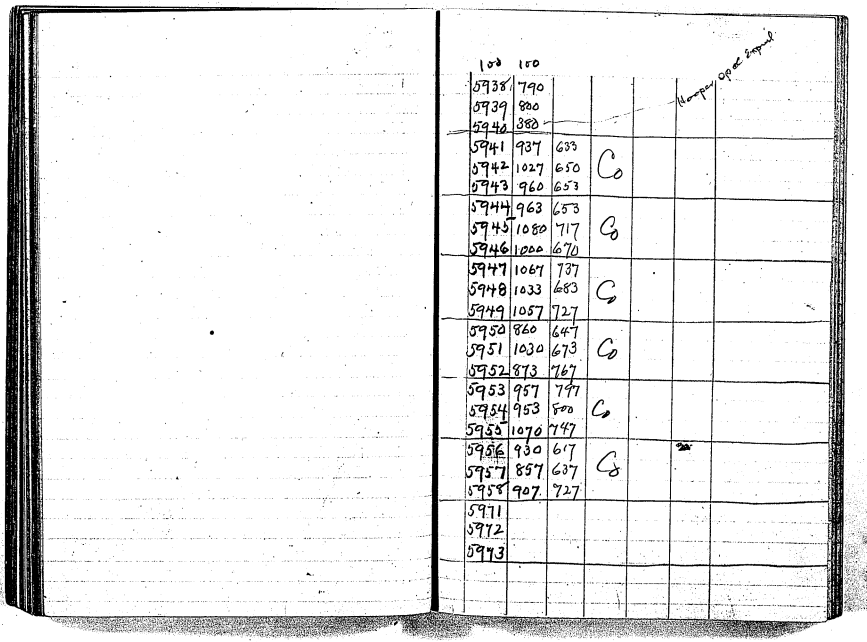
wet 27 Kcal 2 CON 6 Hr

Hydrolysis Space Expand



Long Conn.

21 Hofe 005 1½ spiral 3½ cut 4 Ring 10f 24 Reg green.	0	5938	1117	.962	6
21% KOH.	0	5939	1135	977	
250 Mily Glycerine 4.28	0	5940	1120	645	
21 Hofe 005 1½ spiral	0	5941	1097	1107	6
Run on board 5 times then reverse Continously 50 Hot runs Reg green	0	5942	1110	980	
19% KOH	3	5943	1120	1045	
Dup 5941	0	5944	1065	980	6
17% KOH	0	5945	1072	1152	
4.61	0	5946	1090	900	
Dup 5941	0	5947	1067	1125	6
15% KOH	0	5948	1065	995	
4.60	0	5949	1050	990	
Dup 5941	0	5950	1120	1172	6
17% NaOH.	0	5951	1115	1150	
4.64	0	5952	1092	1150	
for Dup 5941	0	5953	1075	1137	6
15% NaOH	0	5954	1050	1107	
4.62	0	5955	1070	1125	
Dup 5941	0	5956	1012	1087	6
13% NaOH.	0	5957	1020	1057	
4.61	0	5958	1022	1105	
21 Hofe 005 1½ spiral 10f Cut 60/1000 wide 3rd 2 green		5971	1122		6
		5972	1127		
4.93		5973	1142		



	100	150						
5938	790							Numbers open Expired
5939	800							
5940	880							
5941	937	633						
5942	1027	650	C6					
5943	960	653						
5944	963	653						
5945	1080	717	C8					
5946	1000	670						
5947	1064	737						
5948	1033	683	C9					
5949	1057	727						
5950	860	647						
5951	1030	673	C6					
5952	873	767						
5953	957	741						
5954	953	800	C6					
5955	1070	747						
5956	930	617						
5957	857	637	C8					
5958	907	727						
5971								
5972								
5973								

Pushed outhard

Ring Too loose yet,

Rings pushed outhard

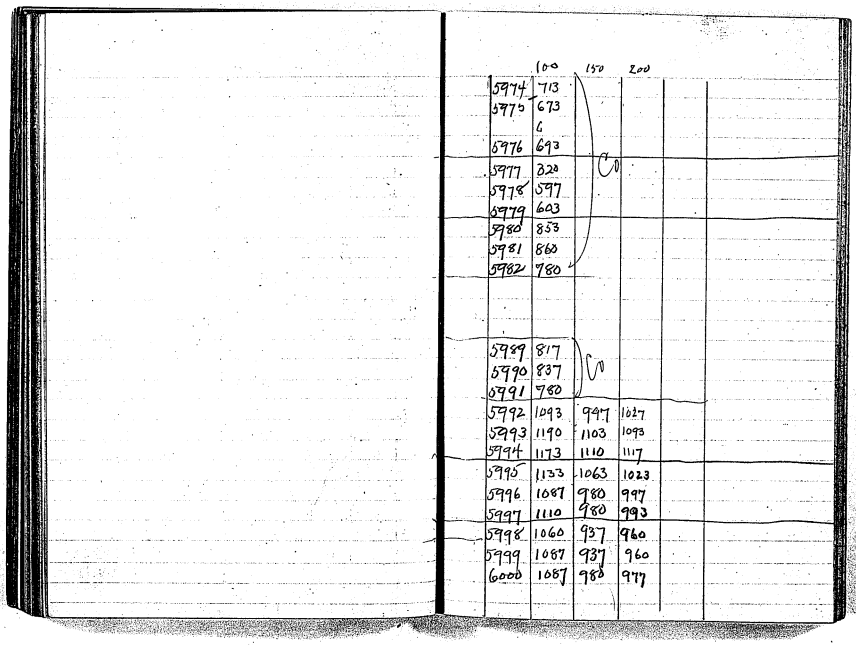
but not as much as

6202 Do have rings

pressed down

Rings pushed outhard

Dup 5971	0	5974	1155	895	
Except green Thru 60 mesh	0	5975	1130	850	
fines all in					
	5.05	5976	1157	867	
Dup 5971	0	5977	1100	522	64
green thru 100 mesh	0	5978	1132	795	
	5.14	5979	1107	785	
21 Hole .005" 1½ spiral	0	5980	1062	950	66
RA 710 - Mass action	0	5981	1062	965	
10 of 249	4.53	5982	1040	872	
		5983			
		5984			
		5985			
21 Hole .005" 1½ spiral JY 02	0	5989	1300	1210	68
green Rings pushed on hand	0	5990	1187	980	
tons 6# 5.05	0	5991	1150	927	
21 Hole .005" 1½ spiral JY 02	0	5992	1162	1177	69
green	0	5993	1157	1197	
21% Kolt 4.98	0	5994	1145	1193	
to Holland 2 grms 1 Off each cell					
Dup 5992	0	5995	1125	1180	68
17% Kolt 4.97	0	5996	1120	1163	
to Holland 2 grms 1 Off "	"	5997	1120	1150	
Dup 5992	0	5998	1100	1133	68
13% Kolt 4.96	0	5999	1115	1153	
to Holland 2 grms 1 Off "	"	6000	1100	1123	

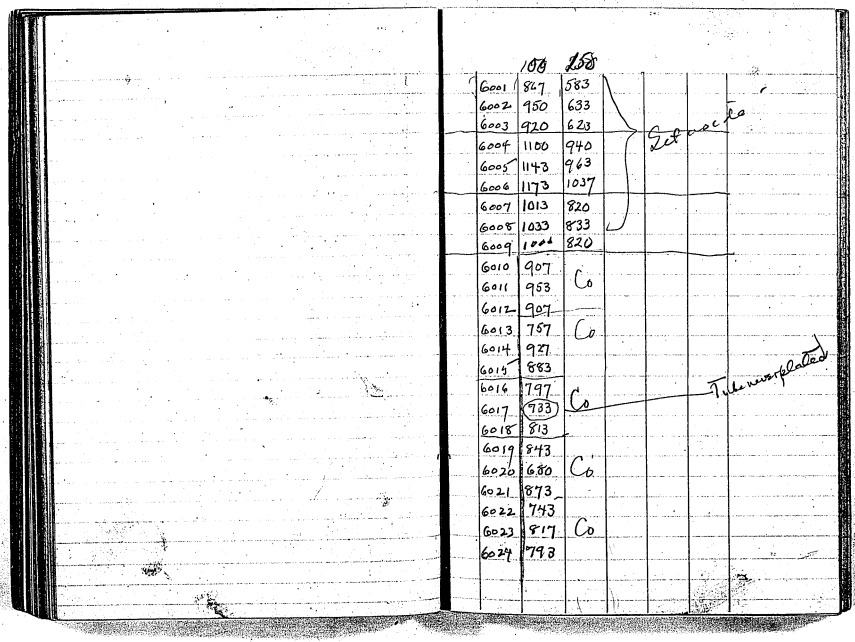


	100	150	200		
5974	713				
5975	673				
	⌊				
5976	693				
5977	820	C0			
5978	597				
5979	603				
5980	853				
5981	860				
5982	780				
5989	817				
5990	837	C0			
5991	780				
5992	1093	997	1027		
5993	1190	1103	1093		
5994	1173	1110	1117		
5995	1133	1063	1023		
5996	1087	980	997		
5997	1110	980	993		
5998	1060	937	960		
5999	1087	937	960		
6000	1087	980	977		

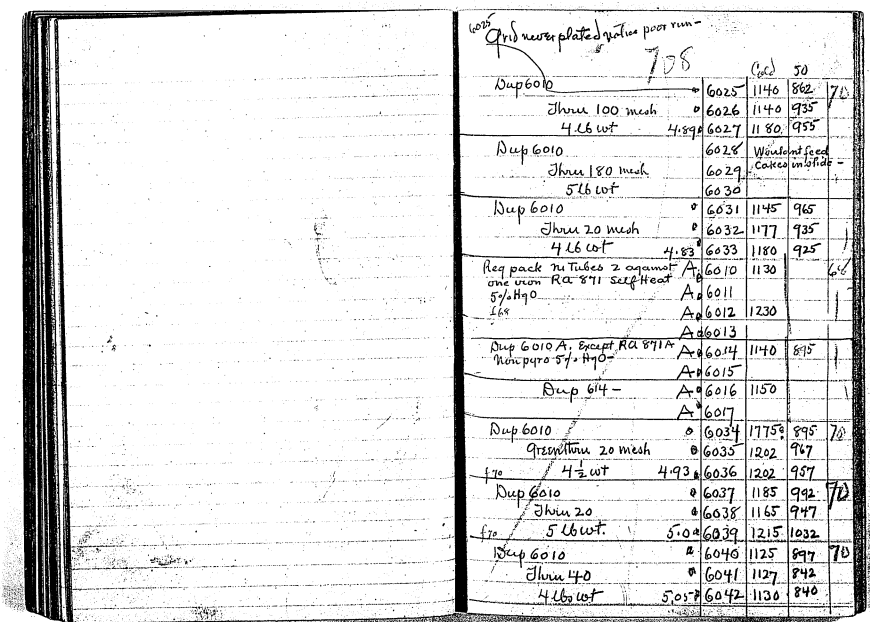
6017 tube never plated —

6 hrs Cans

Dup 5992			6001	1137	1063	68
68 f	21% NaOH	5.08	6002	1110	1070	
for Holland	2 grms/10H each cell		6003	1125	1223	
Dup 5992			6004	1077	1237	67
68 f	17% NaOH	5.00	6005	1162	1253	
for Holland	2 grms/10H "		6006	1175	1323	
Dup 5992			6007	1135	1167	68
	13% NaOH	4.96	6008	1150	1160	
for Holland	2 grms/10H "		6009	1135	1157	
21 Hole 005 1½ spiral			6010	1145	965	70
No 2 green-10-24-			6011	1127	992	
Thru 30 mesh. fines out		5.03	6012	1137	972	
Dup 6010			6013	1070	867	70
Thru 40 mesh fines out		4.98	6014	1112	1000	
			6015	1047	962	
Dup 6010			6016	1135	895	70
Thru 50 mesh fines out		5.06	6017	1112	590	X
			6018	1142	907	
Dup 6010			6019	1107	917	70
Thru 60 mesh fines out		5.05	6020	1112	817	
			6021	1120	992	
Dup 6010			6022	1097	867	70
Thru 80 mesh fines out			6023	1095	922	
4 Lb cut		4.98	6024	1117	920	



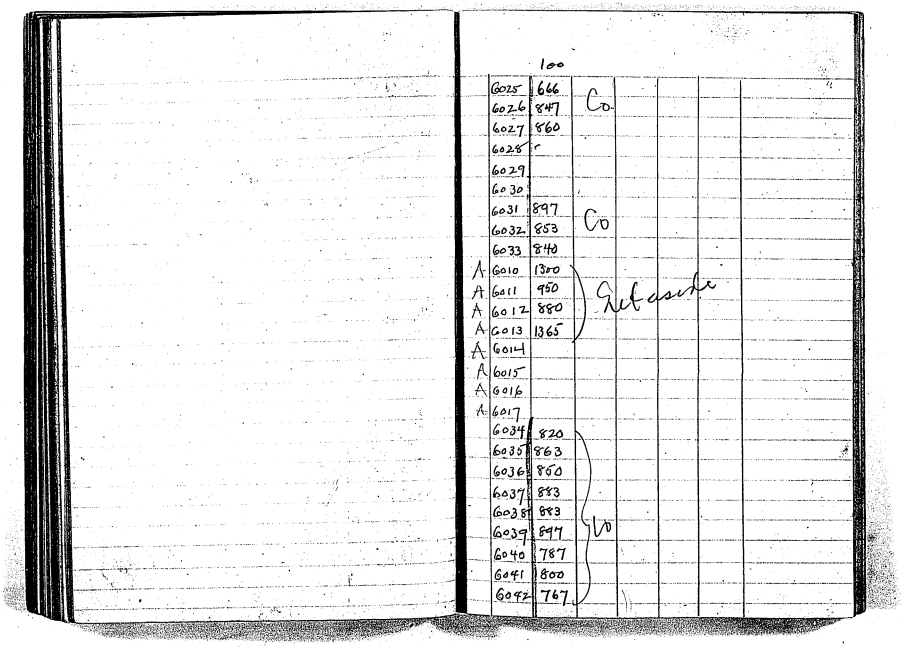
	100	150	
6001	847	583	
6002	950	633	
6003	920	623	Extracted
6004	1100	940	
6005	1143	963	
6006	1173	1037	
6007	1013	820	
6008	1033	833	
6009	1004	820	
6010	907		
6011	953	Co	
6012	907		
6013	757	Co	
6014	921		
6015	883		
6016	797		
6017	933	Co	Tube misplaced
6018	813		
6019	843		
6020	680	Co	
6021	873		
6022	743		
6023	817	Co	
6024	798		



(6035) Grid never plated yields poor run –

708

		Cod	50	
Dup 6010	6025	1140	862	7D
Thru 100 mesh	6026	1140	935	
4.6 lbs wt	4.89# 6027	1180	955	
Dup 6010	6028	Wouldn't feed Cakes inside –		
Thru 180 mesh	6029			
5.6 lbs wt	6030			
Dup 6010	6031	1145	965	
Thru 20 mesh	6032	1177	935	
4.6 lbs wt	4.83# 6033	1180	925	
Req pack in Tubes 2 against one from Ra 871 self Heat 5% H_2O	A 6010	1130		6A
	A 6011			
4.6#	A 6012	1230		
	A 6013			
Dup 6010 A, except Ra 871A Non prg to 5% H_2O –	A 6014	1140	895	
	A 6015			
Dup 614 –	A 6016	1150		
	A 6017			
Dup 6010	6034	1175	895	7D
Green Thru 20 mesh	6035	1202	967	
4.70 4½ wt	4.93# 6036	1202	987	
Dup 6010	6037	1185	932	7D
Thru 20	6038	1165	947	
4.70 5.6 lbs wt.	5.0# 6039	1215	1032	
Dup 6010	6040	1125	897	7D
Thru 40	6041	1127	842	
4.6 lbs wt	5.05# 6042	1130	840	



100

	6025	666	
	6026	847	Co
	6027	860	
	6028		
	6029		
	6030		
	6031	897	
	6032	853	Co
	6033	840	
A	6010	1380	
A	6011	950	
A	6012	880	Set aside
A	6013	1365	
A	6014		
A	6015		
A	6016		
A	6017		
	6034	820	
	6035	863	
	6036	850	
	6037	883	
	6038	883	
	6039	899	W
	6040	787	
	6041	800	
	6042	767	

might be Thallium as Tl. found in Lithia mineral

4.12

Tubes saturated 1.0H. got very red coating on tube dipped Count 6a rubber off - Agua Reg - tubes et off grid - in Transparent Natural tint - Wheels from 6058 group

50 Runs remarkably Intense yellow on Rubber + three magnificent Green all Rubbers PHENOMENON - Runs + grids bright pure Nickel Color - altogether dif from Reg Runs in our Laboratory -

6059 - after 100 Runs a brownish red strongly adherent to tube + grid -

See next page

6060 Treated with 500 Mil g NAP in Desk tube 1" dia 5" long

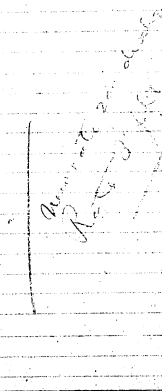
D long Cairo

				6042	50	
Dup 6010		g	6043	1177	925	70
Thru 40		g	6044	1182	905	
4½ wt	5.12	g	6045	1167	897	
Dup 6010		g	6046	1190	1012	70
Thru 40		g	6047	1175	972	
70 5 Lbs	5.30	g	6048	1157	927	
21 Hole 005 1½ Spiral		g	6049	1147		70
No 2 green 10 x 24 -		g	6050	1177		
21% KOH		g	6051	1162		
2 gm Caesium hydrate		g	6052	1150	970	70
Dup 6049		g	6053	1142	967	
21% KOH	4.84	g	6054	1147	892	
2 gms Rubidium hydrate		g	6055	1100	892	73
Dup 6049 21% KOH.		g	6056	1110	920	
2 gms Beryllium hydroxide	4.85	g	6057	1125	920	
Dup 6049		g	6058	1110	1007	70
21% KOH.		g	6059	1090	897	
Saturated 1.0H.	4.97	g	6060	1200	1132	
Dup 6049		g	6061	1125	1007	all to
15% NaOH.		g	6062	1180	900	Co
Saturated 1.0H.	5.15	g	6063	1070	957	
21 Hole 005 1½ Spiral		g	6064	1155	1030	70
RA 910 one wash not filtered		g	6065	1110	980	
dried high heat						
Mass action	5.11	g	6066	1105	915	

It looks as if 2 grms of KOH. to 175 cc 21% pulverized or at least dont come iron To dissolves in KOH 21% any more than Reg KOH 21 but if KOH is strong it Causes iron to dissolve very much more when more than 33% — KOH 21 saturated KOH. dissolves iron very much more than 33% — when hot contrary about Cold —

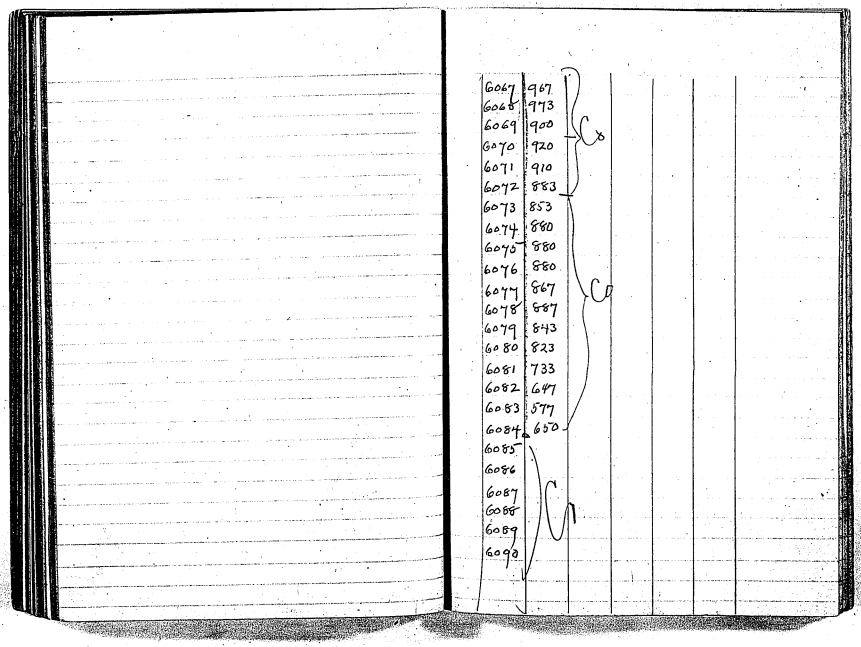
6059-A. put this in 100 cc Water with 100 m/g/ HCl — for several hours on 1/4" asbestos on hot plate = in few minutes clinging red wipes off — Both grid & Tubes — dont think it dissolved but HCl dissolved off something probably that made it loose after several hours Water was still acid — Notice black swelled & probably three holes some — took out after 2 washes it put up with 2 1029 from 21% Soaked 20 hours & then Rinsed —

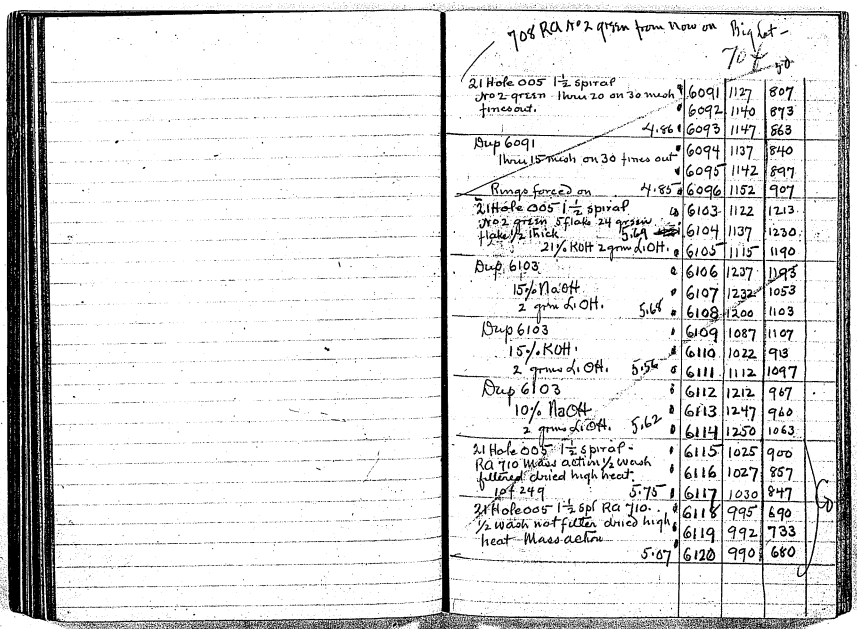
	100			
6043	800			
6044	793	C_0		
6045	773			
6046	887			
6047	860			
6048	820			
6049				
6050				
6051				
6052	827			
6053	833	C_0		
6054	793			
6055	880	C_0		
6056	797			
6057	887		21%	
6058	847		333	Put in 21% acc of comes ok dont improve water
6059	830	C_0	450	
6060	803		400	
6061				
6062				
6063				
6064	957			
6065	913	C_0		
6066	793			



o Long Cam

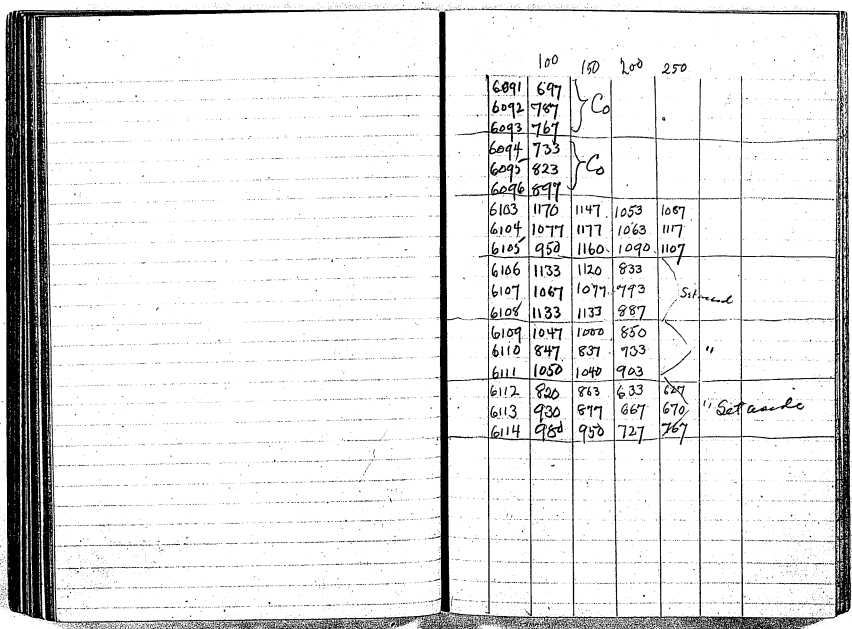
Dup 6064					
RA 710 one wash filter dried	D	6067	1172	1045
high heat		6068	1112	1047
Mass action	4.67	6069	1095	995
Dup 6064					
RA 710 2 washes. not filter	D	6070	1082	950
dried high heat		6071	1027	850
Mass action	4.51	6072	1085	945
Dup 6064 RA 710 2 washes		6073	1077	937
filtered dried low heat.		6074	1092	965
Mass Action	4.66	6075	1100	960
Dup 6064 RA 710 one wash	D	6076	1125	1012
not filtered dried low heat		6077	1140	995
Mass Action		6078	1135	1012
Dup 6064 RA 710 ½ wash		6079	1090	950
filtered dried low heat.		6080	1090	950
Mass Action		6081	1065	925
Dup 6064 RA 710. No wash	D	6082	900	745
filtered dried high heat		6083	920	692
Mass action	4.71	6084	900	732
Dup 6064 RA 710 ½ wash	D	6085	1075	683
not filtered dried low heat		6086	1082	820
Mass Action	4.94	6087	1110	600
Dup 6064 RA 710 one		6088	1075	917
wash filter dried low heat		6089	1090	867
Mass action	4.52	6090	1095	890


6067 967
6068 773
6069 900
6070 920
6071 910
6072 883
6073 853
6074 880
6075 880
6076 880
6077 867
6078 887
6079 843
6080 823
6081 733
6082 647
6083 577
6084 650
6085
6086
6087
6088
6089
6090



708 RA N°2 grain from now on Big lot - 70 Lyo

21 Hole 005 1½ spiral N°2 grain Thru 20 on 30 mesh times out.	4.86	6091	1127	807
		6092	1140	873
		6093	1147	863
Dup 6091 Thru 15 mesh on 30 times out		6094	1137	840
		6095	1142	897
Rings forced on	4.85	6096	1152	907
21Hole 005 1½ spiral N°2 grain 5 flake 24 grain flake ½ thick	5.69	6103	1122	1213
		6104	1137	1230
21% KOH 2 grm di OH.		6105	1115	1140
Dup 6103		6106	1237	1198
15% NaOH 2 grm di OH.	5.68	6107	1232	1053
		6108	1200	1103
Dup 6103		6109	1087	1107
15% KOH 2 grm di OH.	5.56	6110	1022	913
		6111	1112	1097
Dup 6103 10% NaOH 2 grm di OH.	5.62	6112	1212	967
		6113	1247	960
		6114	1250	1063
21 Hole 005 1½ spiral - RA 710 Mass action ½ wash filtered dried high heat. 10 of 249	5.75	6115	1025	900
		6116	1027	957
		6117	1030	847
21 Hole 005 1½ spl RA 710. ½ wash not filter dried high heat Mass action	5.07	6118	995	690
		6119	992	733
		6120	990	680



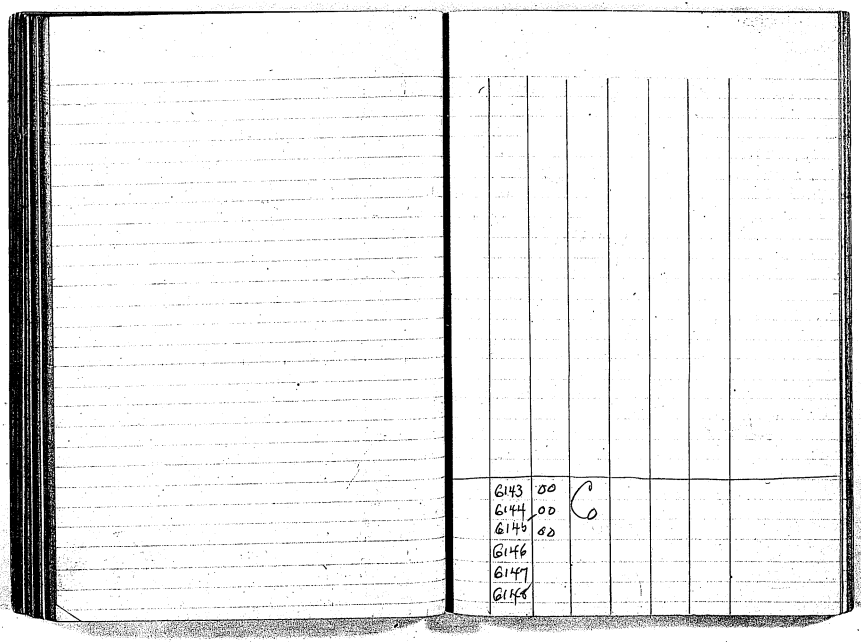
	100	150	200	250			
6091	697	} Co					
6092	787						
6093	767						
6094	733	} Co					
6095	823						
6096	697						
6103	1170	1147	1053	1087			
6104	1077	1177	1063	1117			
6105	958	1160	1090	1107			
6106	1133	1120	833		Silt and		
6107	1067	1077	793				
6108	1133	1133	887				
6109	1047	1000	850				
6110	847	831	703		"		
6111	1050	1040	903				
6112	820	863	633	627			
6113	930	847	667	670	" Sat sand		
6114	958	958	727	767			

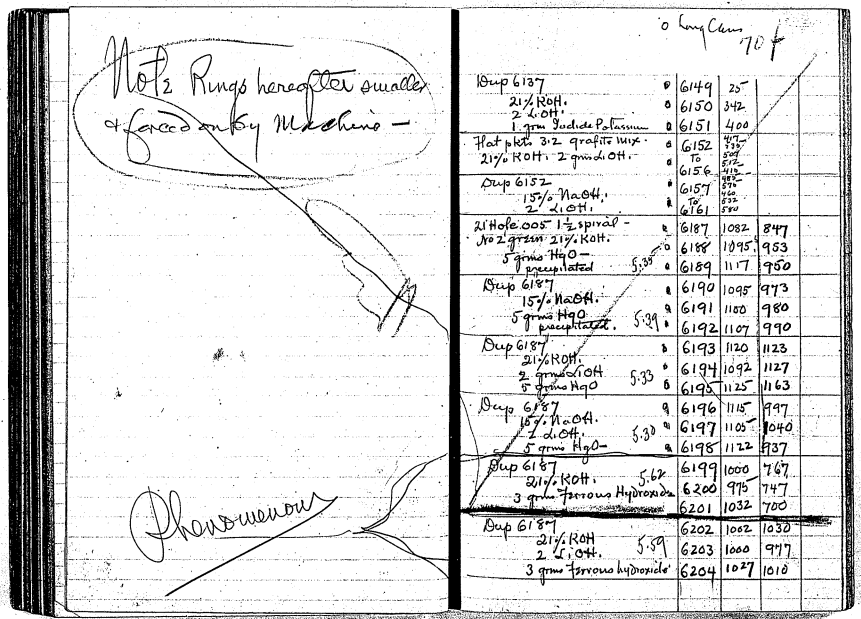
6127 assembled 11 0 11 –

New Revolving arm in flake Hopper
probably flake a green accurate
as it was cut from delamination by drawing
green in Key a weighing flake –

New filler revolving arms in flake hopper
70 fl
50 100

21 Hole 005" 1-½ spiral 2 wash not filter dried low heat. Mass actim 4.46	6121	1072	873		
	6122	1075	823		
	6123	1115	857		
Dup 6121 RA710 No wash not filter dried low heat Mass actim 470	6124	975	733		
	6125	965	757		
	6126	955	733		
Long Tube 21 Hole 005" 1-½ spl 31 green 10 fl RA709 ½ wash filter - dried low heat. 679	6127	1443			900
	6128	1447			1188
	6129	1447		Set aside	217
	6130				1
1358	6131				
Dup 6127 Long Tube	6132	1417			1108
	6133	1427		Set aside	1260
Average 6.71	6134	1427			1263
New filler-revolving arms in flake Hopper 21 Hole 005" 1-½ spl 10 of 24 green 2 green 21% KOH 2 di OH 1.9 gm Aluminum	6137	17			
	6138	17			
	6139	22			
Dup 6137 15% NaOH. 2 di OH. 1 gm Aluminum	6140	20			
	6141	20			
	6142	20			
Dup 6137 21% KOH. 2 di OH 500 mlg Aluminum	6143	892	147		
	6144	895	140		
	6145	800	159		
Dup 6137 15% NaOH 2 di OH. 500 mlg Aluminum	6146	725			
	6147	550			
	6148	550			


6143 00
6144 00
6145 00
6146
6147
6148

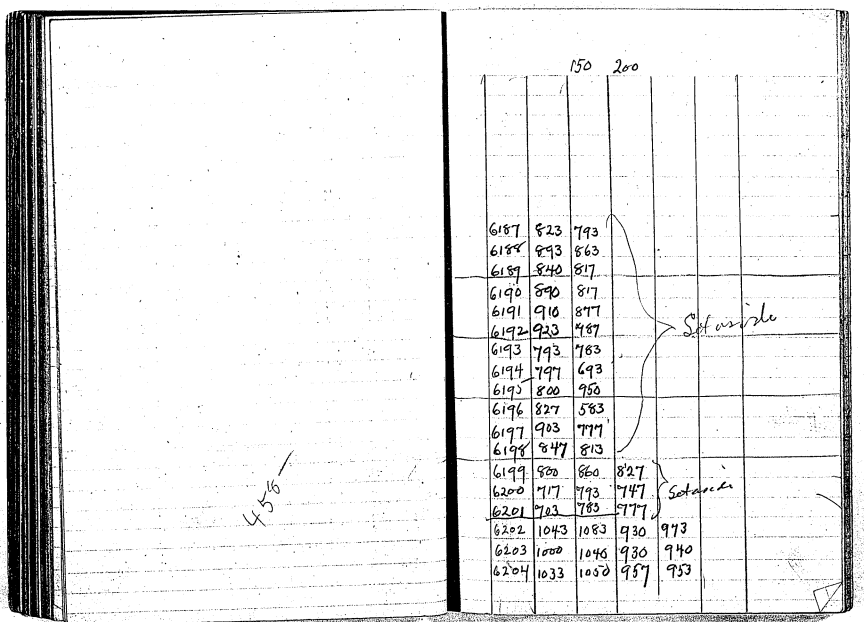


No 12 Rings hereafter smaller & faced only by Machine —

Phenomenon

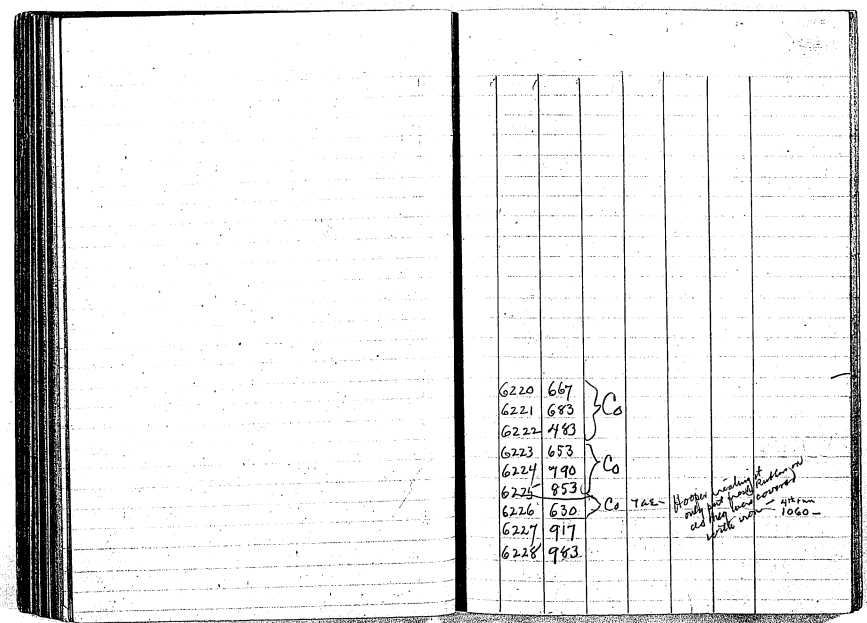
o Long Cells 70 f

Dup 6137		b	6149	25	
21% KOH.		b	6150	342	
2 Li OH.		b	6151	400	
1 grm Iodide Potassium		b			
Flat plate 3:2 graphite mix.		a	6152	447	
21% KOH. 2 grm Li OH.		a	To	737	
		a	6156	509	
				512	
				419	
Dup 6152		g	6157	982	
15% NaOH.		g	To	574	
2 Li OH.		g	6161	460	
		g		632	
		g		580	
21 Hole .005 1½ spiral -		e	6187	1082	847
No 2 grm 21% KOH.		e	6188	1095	953
5 grms HgO — precipitated	5.38	e	6189	1117	950
Dup 6187		g	6190	1095	973
15% NaOH.		g	6191	1100	980
5 grms HgO precipitated.	5.39	g	6192	1107	990
Dup 6187		b	6193	1120	1123
21% KOH.		b	6194	1092	1127
2 grms LiOH	5.33	b	6195	1125	1163
5 grms HgO		b			
Dup 6187		g	6196	1115	997
15% NaOH.		g	6197	1105	1040
2 Li OH.	5.30	g	6198	1122	937
5 grms HgO —		g			
Dup 6187			6199	1000	767
21% KOH.	5.62		6200	975	747
3 grms ferrous Hydroxide			6201	1032	700
Dup 6187			6202	1062	1030
21% KOH			6203	1060	977
2 Li OH.	5.59		6204	1027	1018
3 grms ferrous hydroxide					


150
200
6187 823 793
6188 893 863
6189 840 817
6190 890 817
6191 910 877
6192 923 887
6193 793 783
6194 797 693
6195 800 950
6196 827 583
6197 903 777
6198 847 813
6199 800 860 827
6200 717 793 747
6201 703 783 777
6202 1043 1083 930 973
6203 1000 1046 930 940
6204 1033 1050 957 953
Sat visible
Saturés
456

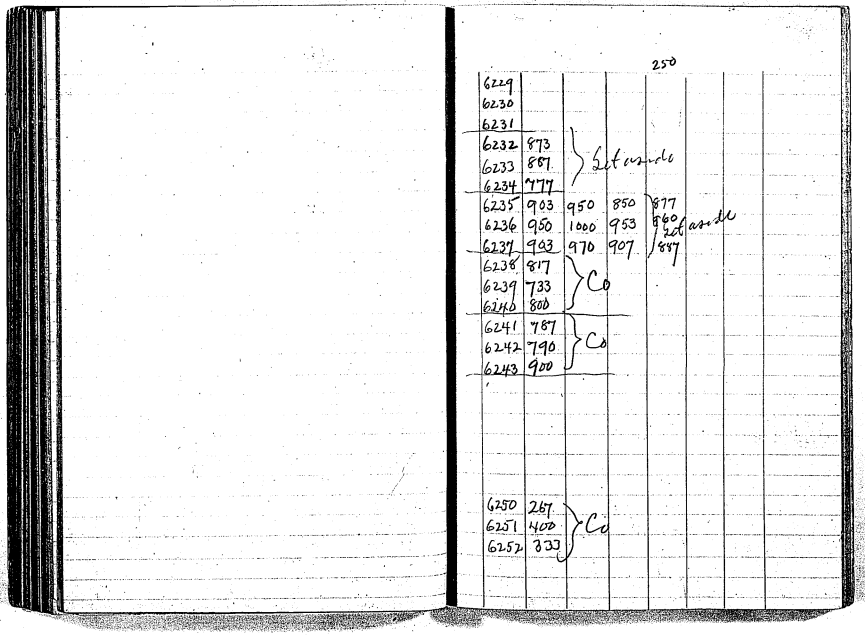
Note dif in weight made by new Batch Nickel flake,

21 Hole 005 1½ spl- Nro 2 green 10 of 24	6205	920	770	70
Nro 1 Position filler to the Right 10 from Zero	6206	937	717	
	6207	917	666	
70 flake - Nro 2 position 5.61 20 from Zero	6208	885	637	70
	6209	897	557	
	6210	905	590	
78 flake S southern Nro 3 Position to Right 30 5.25	6211	917	590	70
	6212	1147	850	
	6213	1142	783	60
78 f Nro 4 Position 40 5.15	6214	1145	800	70
	6215	1162	827	
	6216	1117	797	
78 f Nro 5 Position 50 5.13	6217	1132	750	70
	6218	1132	800	
	6219	1087	750	
21 Hole 005 1½ spl- Nro 2 green 10 X 24 70 f 21% KOH. 5.60 3 grms Acetone	6220	1035	777	70
	6221	975	843	60
	6222	957	617	
Dup 6220 21% KOH 2 c.c. H 3 grms Acetone	6223	940	940	70
	6224	1040	963	
	6225	942	950	
Dup 6220 15% NaOH. 2 c.c. H 3 grms Acetone	6226	1045	1007	70
	6227	995	1017	
	6228	1132	1067	


6220 667
6221 683
6222 483
Co
6223 653
6224 790
6225 853
Co
6226 630
Co
6227 917
6228 983

6232 = Note large amount Red deposit on 1.50 Rings, some effect in others and Rubbers = Tubes clean

Dup 6220	9	6229	1057	997	70
15% NaOH.	9	6230	1017	780	Co
3 gms acetone	9	6231	1015	967	
Dup 6220	9	6232	974	887	70
21% KOH.	9	6233	965	927	Co
3 gms formate K.	9	6234	960	810	
Dup 6220	9	6235	950	927	70
21% KOH	9	6236	957	977	
2 LiOH.	9	6237	962	967	
3 gms formate K	9				
Dup 6220	9	6238	1032	917	70
21% KOH.	9	6239	1002	823	
3 gms Ammonia	9	6240	995	840	
Dup 6220	9	6241	970	997	70
21% KOH.	9	6242	990	967	
2 LiOH.	9				
3 gms Ammonia	9	6243	970	980	
		6244			
		6245			
		6246			
		6247			
		6248			
		6249			
Dup 6220	9	6250	827	200	70
21% KOH.	9	6251	940	860	Co
3 gms Acetamide	9	6252	887	267	


250
6229
6230
6231
6232 873
6233 887
6234 777
Left outside
6235 903 950 850 877
6236 950 1000 953 860
6237 903 970 907 820
847
outside
6238 817
6239 733
6240 808
Co
6241 787
6242 790
6243 900
Co
6250 267
6251 400
6252 333
Co

6259 to 6278 — Run on hot test as follows

Chg 6½ h at 270 Run at 240 — Same as long tubes are run at on hot test —

6271-2 4 3 Harper to Export taking out when chgd a Ref at beg heart & Run —

21 Hale 005 1½ S Jro2 green 10.5% KOH - 7½% NaOH. 2.5% LiOH. 10x24	a	6253	962	1007	74
	b	6254	957	993	
	c	6255	950	930	
Jro 5575-6-7 with new nickel tubes Jro 2 green run again in 33% KOH. To see if Fs was cleanned by previous 33	d	6256	975	533	C6
	e	6257	975	533	
	f	6258	992	580	73
21 Hale 005 1½ S — Jro2 green 24x10 - 27 Tubes one neg mix iron 5 grms — 21% KOH.	g	6259	1380	1390	
	h	6260	1385	1390	
	i	6261	1380	1380	
Dup 6259 21% KOH. 2 LiOH	k	6262	1285	1525	
	l	6263	1380	1570	
	m	6264	1300	1525	
Dup 6259 15% NaOH. 2 LiOH.	n	6265	1455	1460	
	o	6266	1350	1485	
	p	6267	1280	1435	
Dup 6259 15% NaOH. 3 grms LiOH.	r	6268	1360	1575	
	s	6269	1325	1520	
	t	6270	1320	1480	
Dup 6259 15% NaOH. 3 grms Bromide K	u	6271	1400	1435	
	v	6272	1375	1425	
	w	6273	1380	1435	
Dup 6259 15% NaOH. 3 grms KOF	x	6274	1400	1435	
	y	6275	1370	1445	
	z	6276	1400	1445	

X Reg 1308

	100			
6253	997	1077	890	Set made
6254	987	1067	953	
6255	830	1003	783	
6256	423			Co
6257	467			
6258	467			
6259	1360	1365		
6260	1300	1260		
6261	1340	1300		
6262	1560	1545		
6263	1575	1555		
6264	1560	1480		
6265	1490	1350		Set made
6266	1465	1165		
6267	1395	1150		
6268	1565	1400		
6269	1520	1270		
6270	1480	1290		
6271	1400	1395		
6272	1385	1355		
6273	1370	1390		
6274	1390	1405		
6275	1395	1365		
6276	1370	1375		

on high note 6265 group 487 475 500.

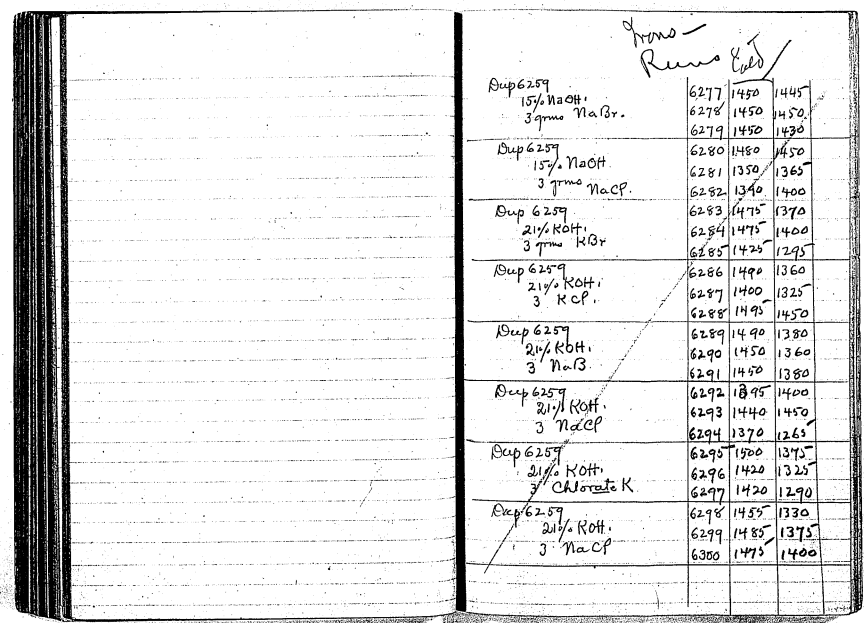
6268 625 500 362

Whereas KOH much higher Double —

6271 group Ha 15% 1/2 the KOH
6274 group on high note

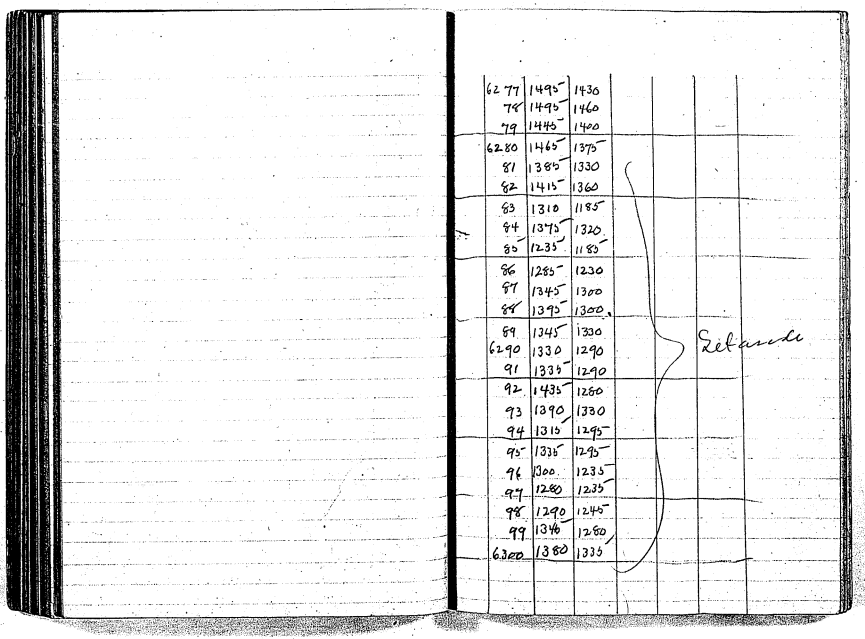
Even Loss —

So to not like KOH —
Must have Ca & the KOH —

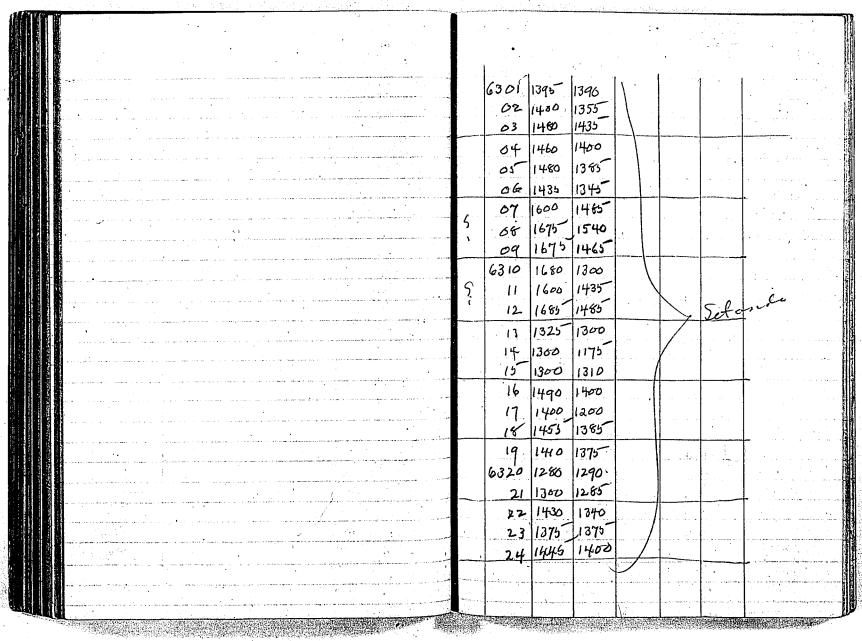


Trans — Runs Ended

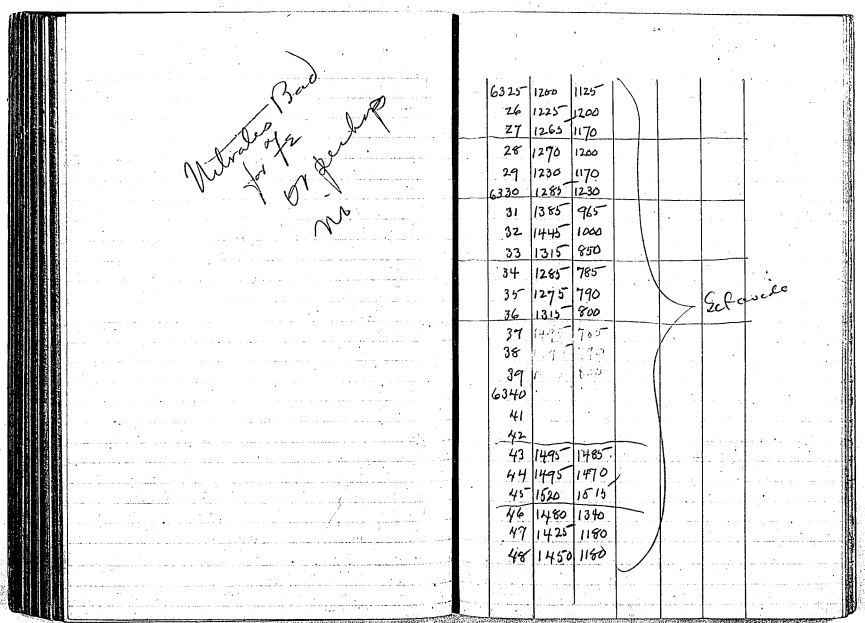
Dup 6259 15% NaOH. 3 grms NaBr.	6277	1450	1445
	6278	1450	1450
	6279	1450	1430
Dup 6259 15% NaOH 3 grms NaCl.	6280	1480	1450
	6281	1350	1365
	6282	1390	1400
Dup 6259 21% KOH. 3 grms KBr	6283	1475	1370
	6284	1475	1400
	6285	1425	1295
Dup 6259 21% KOH. 3 KCl.	6286	1490	1360
	6287	1400	1325
	6288	1495	1450
Dup 6259 21% KOH. 3 NaBr.	6289	1490	1380
	6290	1450	1360
	6291	1450	1380
Dup 6259 21% KOH. 3 NaCl	6292	1495	1400
	6293	1440	1450
	6294	1370	1265
Dup 6259 21% KOH. 3 Chlorate K	6295	1500	1375
	6296	1420	1325
	6297	1420	1290
Dup 6259 21% KOH. 3 NaCl	6298	1455	1330
	6299	1485	1375
	6300	1475	1400

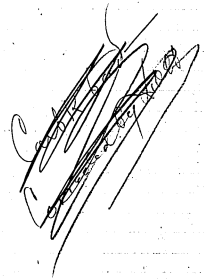

62 77 1495 1430
78 1495 1460
79 1445 1400
6280 1465 1375
81 1385 1330
82 1415 1360
83 1310 1185
84 1375 1320
85 1235 1185
86 1285 1230
87 1345 1300
88 1375 1300
89 1345 1330
6290 1330 1290
91 1335 1290
92 1435 1260
93 1390 1330
94 1315 1295
95 1335 1295
96 1300 1235
97 1280 1235
98 1290 1245
99 1316 1280
6300 1380 1335
Retarde

	6gms		
Dup 6259 15% NaOH. 3 Chlorate K	6301	1425	1395
	6302	1430	1400
	6303	1475	1450
Dup 6259 15% NaOH. 3 Chlorate Sodium	6304	1455	1430
	6305	1425	1480
	6306	1470	1435
Dup 6259 21% KOH. 300 milg Bromstone 2 gms LiOH. Zachariasen	6307	1440	1575
	6308	1500	1620
	6309	1460	1565
Dup 6259 15% NaOH. 300 milg Bromstone 2 gms LiOH.	6310	1470	1585
	6311	1415	1500
	6312	1415	1670
Dup 6259 21% KOH. 3 gms Fluoride K	6313	1385	1360
	6314	1355	1330
	6315	1350	1335
Dup 6259 15% NaOH. 3 Fluoride Sodium	6316	1420	1480
	6317	1355	1400
	6318	1405	1460
Dup 6259 21% KOH. 3 gms Borax	6319	1400	1465
	6320	1285	1300
	6321	1370	1385
Dup 6259 15% NaOH. 3 gms Borax	6322	1200	1400
	6323	1375	1400
	6324	1375	1480

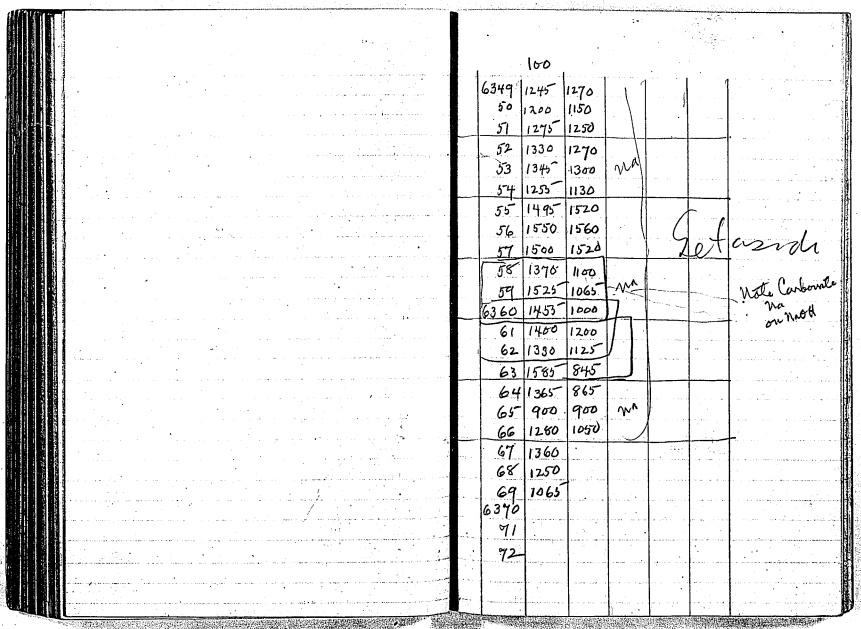

6301 1395 1396
02 1480 1355
03 1480 1435
04 1460 1400
05 1480 1385
06 1430 1345
07 1600 1485
08 1675 1540
09 1675 1465
6310 1680 1300
11 1600 1435
12 1685 1485
13 1325 1300
14 1300 1175
15 1300 1310
16 1490 1400
17 1400 1200
18 1453 1385
19 1440 1375
6320 1280 1290
21 1300 1285
22 1430 1340
23 1375 1375
24 1446 1402
Set on side

		1 grms	
Dup 6259 21% KOH. 3 gr Nitrate K	6325	1415	1295
	6326	1385	1355
	6327	1400	1330
Dup 6259 21% KOH. 3 grm Nitrate Sodium	6328	1360	1385
	6329	1390	1350
	6330	1400	1380
Dup 6259 15% NaOH. 3 grm Nitrate K	6331	1335	1400
	6332	1390	1480
	6333	1335	1430
Dup 6259 15% NaOH. 3 grm Nitrate Sodium	6334	1315	1305
	6335	1295	1350
	6336	1345	1385
Dup 6259 21% KOH. 3 grm Metaluminate Soda	6337		
	6338	Cancelled	
	6339		
Dup 6259 15% NaOH. 3 Metaluminate Soda	6340		
	6341		"
	6342		
Dup 6259 21% KOH. 3 grm Chloride Lithia	6343	1405	1525
	6344	1375	1500
	6345	1375	1530
Dup 6259 15% NaOH. 3 grm Chloride Lithia	6346	1430	
	6347	1445	
	6348	1390	


Nitrates Bad for 6P BT feedup MB
6325 1200 1125
26 1225 1200
27 1265 1170
28 1270 1200
29 1230 1170
6330 1285 1230
31 1385 965
32 1445 1000
33 1315 850
34 1285 785
35 1275 790
36 1315 800
37 705
38
39
6340
41
42
43 1495 1485
44 1495 1470
45 1520 1515
46 1480 1340
47 1425 1180
48 1450 1160
Ecfawide



		Runs		
Dup 6259 21% KOH. 3 gr Carb K	6349	1420		
	6350	1370		
	6351	1455		
Dup 6259 15% NaOH. 3 Carb Soda	6352	1420		
	6353	1425		
	6354	1365		
Dup 6259 21% KOH. 3 Carb K 2 LiOH.	6355	1435		
	6356	1460		
	6357	1400		
Dup 6259 15% NaOH. 3 Carb Soda 2 LiOH.	6358	1430		
	6359	1465		
	6360	1425		
Dup 6259 21% KOH. 3 Chloride Zinc	6361	1475		
	6362	1410		
	6363	1490		
Dup 6259 15% NaOH. 3 gm Chloride Zinc	6364	1390		
	6365	1370		
	6366	1505		
Dup 6259 21% KOH. 3 gm Chl Manganous.	6367	1490	1335	
	6368	1485	1300	
	6369	1335	1200	
Dup 6259 15% NaOH 3 Manganouschloride	6370	1335		
	6371	1300		
	6372	1260		



100

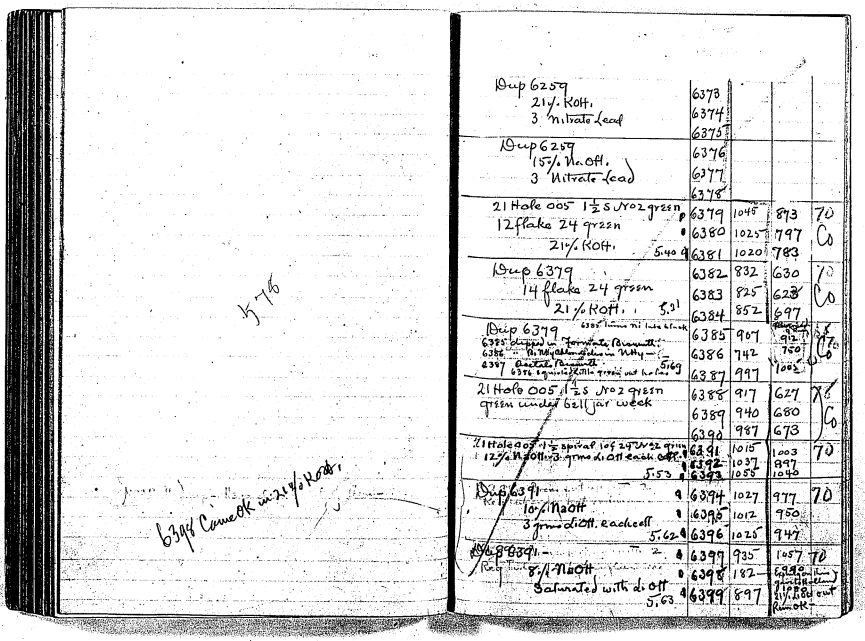
6349	1245	1270
50	1200	1150
51	1275	1250
52	1330	1270
53	1345	1300
54	1255	1130
55	1495	1520
56	1550	1560
57	1500	1520
58	1370	1100
59	1525	1065
6360	1453	1000
61	1400	1200
62	1390	1125
63	1585	845
64	1365	865
65	900	900
66	1280	1050
67	1360	
68	1250	
69	1065	
6370		
71		
72		

NA

NA

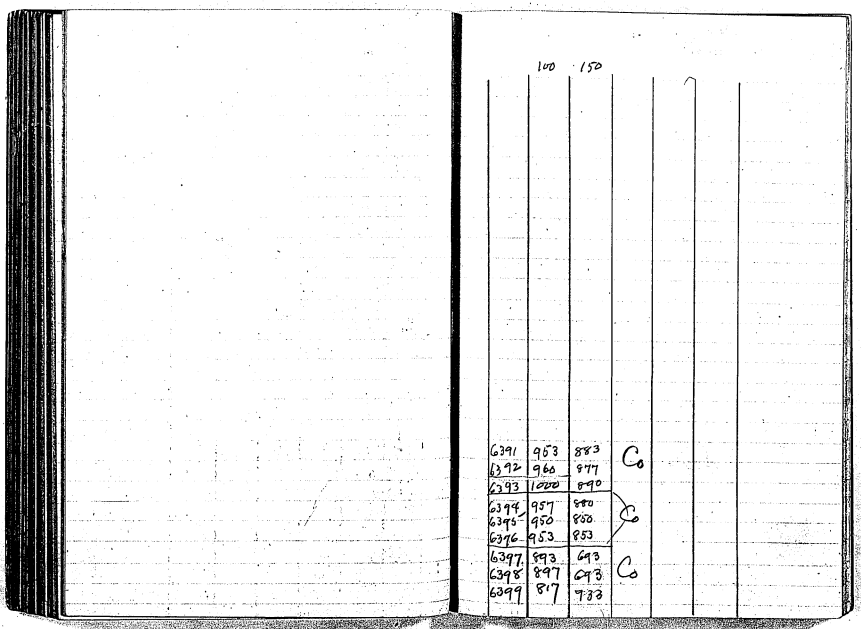
Refazendo

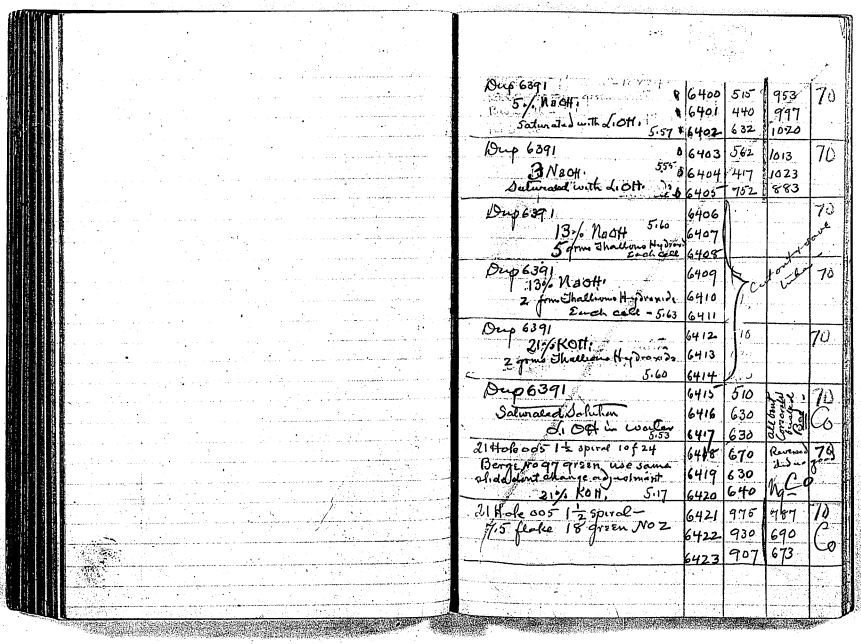
Note Carbonate Na on Mo44



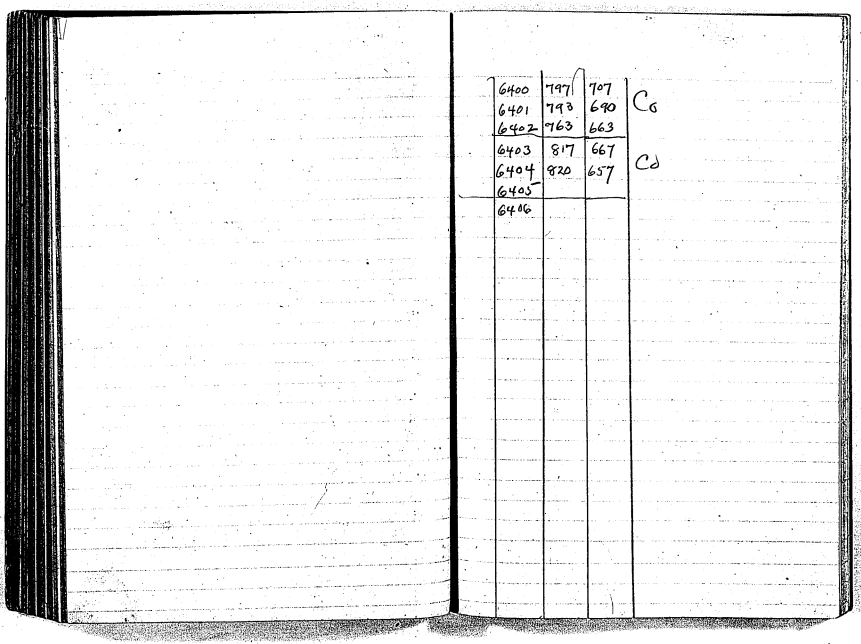
Dup 6259 21% KOH. 3 Nitrate Lead	6378				
	6374				
	6375				
Dup 6259 15% NaOH. 3 Nitrate Lead	6376				
	6377				
	6378				
21 Hole 005 1½S NO2 green	p 6379	1045	893	70	
12 flake 24 green	6380	1025	797	Co	
21% KOH. 5.40	6381	1020	783		
Dup 6379	6382	832	630	70	
14 flake 24 green	6383	825	628	Co	
21% KOH. 5.31	6384	852	697		
Dup 6379 6385 Same as Hole 6 flask	6385	907	912	78	
6385 dipped in formvar Paramount	6386	742	760	Co	
6386 " " NaOH solution in Nitty			1005		
6387 Control Paramount 5.69 6388 Ignited KOH green and has color	6387	997			
21 Hole 005 1½S NO2 green green cinder ball jar week	6388	917	627	78	
	6389	940	680	Co	
	6390	987	673		
21 Hole 005 1½ spiral 10 24 NO2 green 12% NaOH 3 grms di Ott each ott.	6391	1015	1003	70	
	6392	1037	997		
5.53	6393	1058	1040		
Dup 6391	6394	1027	977	70	
10% NaOH	6395	1012	950		
3 grms di Ott. each oil					
5.42	6396	1026	947		
Dup 6391	6397	935	1057	70	
8% NaOH	6398	782	6398 in		
Saturated with di ott 5.63	6399	897	Pyrex		

6398 Came OK in 21% KOH.


100
150
6391 953 883
6392 960 877
6393 1000 890
6394 957 880
6395 950 850
6396 953 853
6397 893 693
6398 897 693
6399 817 733
Co
Co
Co



Dup 6391	6400	515	953	70
5% NaOH	6401	440	997	
Saturated with Li_2CO_3	5.57	6402	632	1020	
Dup 6391	6403	562	1013	70
3% NaOH	5.55	6404	417	1023	
Saturated with Li_2CO_3	5.5	6405	752	883	
Dup 6391	6406			70
13% NaOH 5.60	6407			
5 from Thallium Hydroxide Each Cell	6408			
Dup 6391	6409			70
13% NaOH	6410			
2 from Thallium Hydroxide	6411			
Each cell - 5.63				
Dup 6391	6412			70
21% KOH	6413			
2 from Thallium Hydroxide				
5.60	6414			
Dup 6391	6415	510		70
Saturated Solution	6416	630		Li_2CO_3
Li_2CO_3 in water	5.53	6417	630		
21 Hole 005 1½ spiral 10 of 24	6418	670	Removed	78
Berg No 97 green use same	6419	630		Mg_2CO_3
shield joint change adjustment				
21% KOH 5.17	6420	640		
21 Hole 005 1½ spiral	6421	995	987	70
7.5 flake 18 green No 2	6422	930	690	Li_2CO_3
	6423	907	673	


6400 797 707
6401 793 690 C6
6402 763 663
6403 817 667
6404 820 657 C5
6405
6406

Dup 6421 5 flake 12 No 2 green	6424	885	613		
	6425	875	593		
	6426	932	666		
21 Hole .005 1½ spiral - 10 flake 24 green Borge No 98 Cont change adjustment	6427	807	Removed wheel do not grind		
	6428	775			
5.38	6429	784			
21 Hole .005 1½ spiral Burrs not ground down so much first set marks 10 of 24 No 2 green no eyelet	6430				
	6431				
	6432				
Dup 6430 - 2 leaf burrs ground only a little - no Eyelet	6433				
	6434				
	6435				
Dup 6430 Burrs not ground at all no eyelet.	6436				
	6437				
	6438				
a 999 10% B_2O_3 - 21 Hole .005 1½ spiral Thru 28 needle fine adj in 24 green 10 flake dont change blade adjustment, 21% KOH. 5.39	6439	722	760	743	
	6440	730	760	770	
	6441	745	763	780	
21 Hole .005 1½ Spiral 2½ wt 4 rmp 10 flake 24 Borge No 97 10% B_2O_3 999 - either adjustment changed - Run 20 min in 21% KOH	6442	650	740	693	
	6443	647	730	700	
	6444	665	743	713	
Dup 6442 Borge No 96	6445	667	790	780	
	6446	700	777	733	
	6447	703	790	667	

SG Slightly brown

6455 a Little —
6459 Good deposit.
6462 Heavy deposit
6461 Deposit Good
6458 Scarcely a trace
6460 a Little

When 1st taken out only 6462 + 61 show deposit
the others none - Ni brought out after being in over night
Why but not 6457 black

	hrs	24			
6457	0	0	Good		
58	0		Good		
59	30		Good		
60	0		None		
61	30		Good		
62	30		Good		

Dup analysis Ni plated out on Pt cone and 24 hours on Ni strip

6457	0.0069
58	0.0078
59	0.0135
60	0.0092
61	0.0200
62	0.0080

2nd charge 33% gms deposit X-
all other have all gone in but not so much
1 gm LiOH to next 33%
58 + 59 gave results. 21% only little.
as 6458 is equivalent in some manner to 33% it shows LiOH helps also. The tested X deposit.

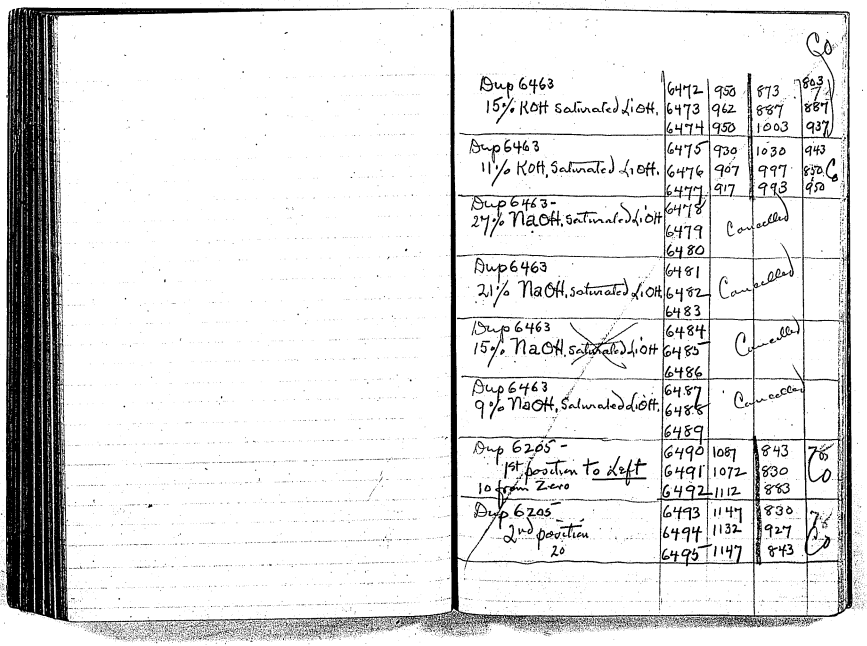
100 gms Ni 2 green hex 109 milligm Ni SO4

2 Hoke 005 1½ spiral 10 of 24 no 2 green soaked in water 24 hours then air dried — 21% KOH.	6448		
	6449		
	6450		
Dup 6448 — Except 21% KOH, Saturated LiOH each cell	6451		
	6452		
	6453		
Dup 6448 Except 15% NaOH, Saturated LiOH each cell	6454		
	6455		
	6456		
2 Reg 72 Ni strip 21% 2 gms LiOH	6457		
2 " " " 3 gms LiOH	6458		
2 " " " Saturated LiOH	6459		
2 " " " 1 gm LiOH	6460		
2 " " " 33% KOH.	6461		
2 " " " 2 gms LiOH.	6462		
2 Hoke 005 1½ spiral 3½ wt no 2 green	6463	885	727
33% KOH saturated with LiOH	6464	967	750
	6465	955	660
Dup 6463 — 27% KOH. Saturated LiOH.	6466	1130	760
	6467	1185	727
	6468	1180	693
Dup 6463 21% KOH, Saturated LiOH.	6469		
	6470		
	6471		

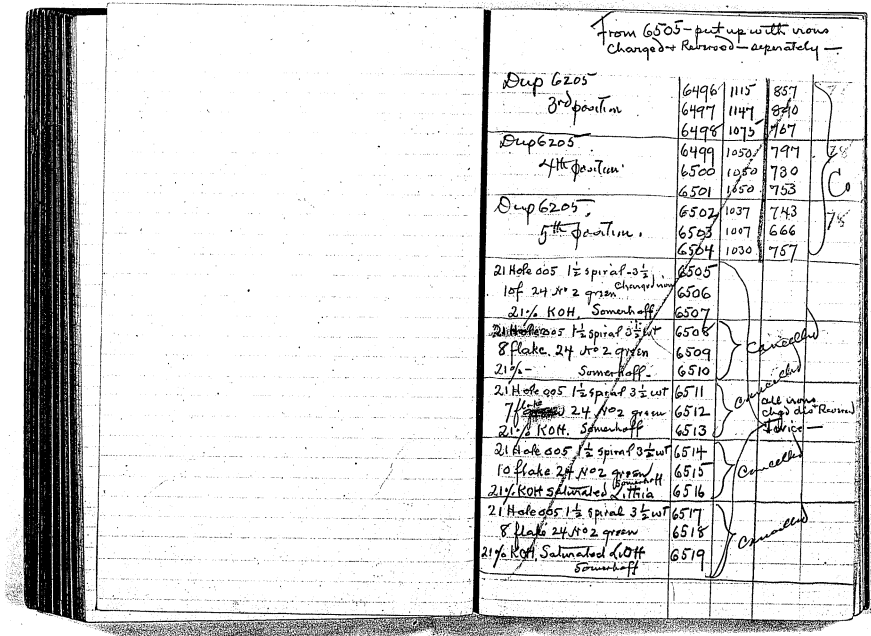
Edison Test

for plating iron out of Solution

78
0



					Co
Dup 6463 15% KOH saturated LiOH.	6472	958	873	883	
	6473	962	887	887	
	6474	958	1003	937	
Dup 6463 11% KOH, saturated LiOH.	6475	930	1030	943	
	6476	907	997	850	Co
	6477	917	993	950	
Dup 6463- 27% NaOH, saturated LiOH	6478				
	6479	Cancelled			
	6480				
Dup 6463 21% NaOH, saturated LiOH	6481				
	6482	Cancelled			
	6483				
Dup 6463 15% NaOH, saturated LiOH	6484				
	6485	Cancelled			
	6486				
Dup 6463 9% NaOH, Saturated LiOH.	6487				
	6488	Cancelled			
	6489				
Dup 6205 - 1st position to Left 10 from Zero	6490	1087	843	76	
	6491	1072	830	Co	
	6492	1112	883		
Dup 6205 - 2nd position 20	6493	1147	830		
	6494	1132	927	76	
	6495	1147	843	Co	

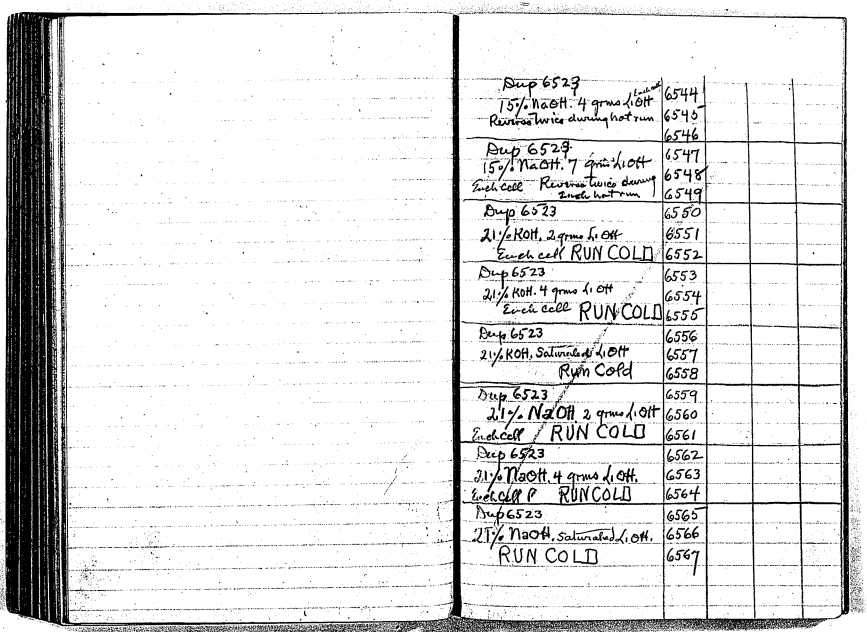


From 6505 – put up with rows Changed + Removed – seperately –

Dup 6205 3rd position	6496	1115	857	C
	6497	1147	880	
	6498	1075	767	
Dup 6205 4th position	6499	1050	797	C
	6500	1050	730	
	6501	1050	753	
Dup 6205 5th position	6502	1037	743	C
	6503	1007	666	
	6504	1030	757	
21 Hole 005 1½ spiral 3½ wt 10 of 24 #2 green 21% KOH. Somerhoff	6505			
	6506			
	6507			
21 Hole 005 1½ spiral 3½ wt 8 flake. 24 #2 green 21%- Somerhoff.	6508			Cancelled
	6509			
	6510			
21 Hole 005 1½ spiral 3½ wt 7 flake 24 #2 green 21% KOH. Somerhoff	6511			Cancelled
	6512			
	6513			
21 Hole 005 1½ spiral 3½ wt 10 flake 24 #2 green 21% KOH Saturated 2.1 HOH Somerhoff	6514			Cancelled
	6515			
	6516			
21 Hole 005 1½ spiral 3½ wt 8 flake 24 #2 green 21% KOH. Saturated 2.1 OH Somerhoff	6517			Cancelled
	6518			
	6519			

All rows Changed + Removed Together

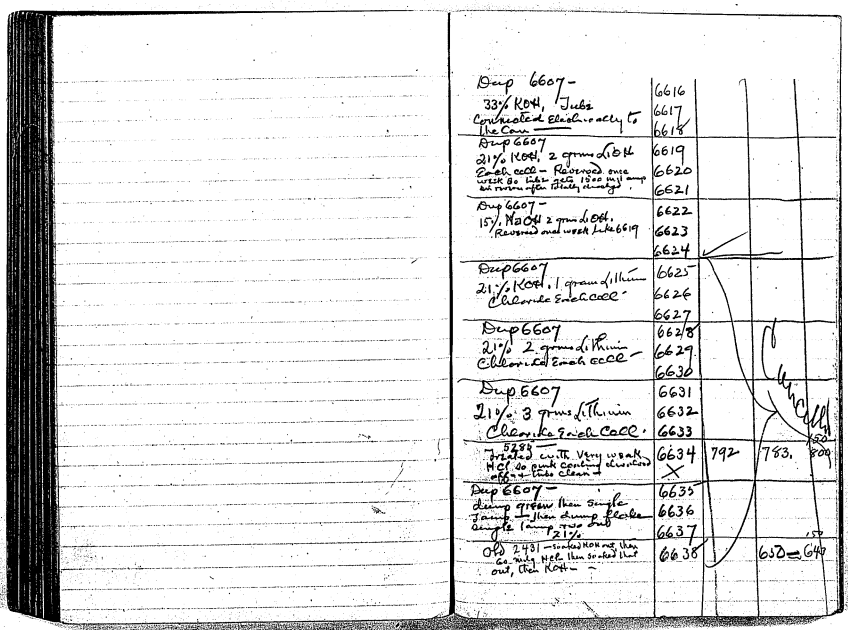
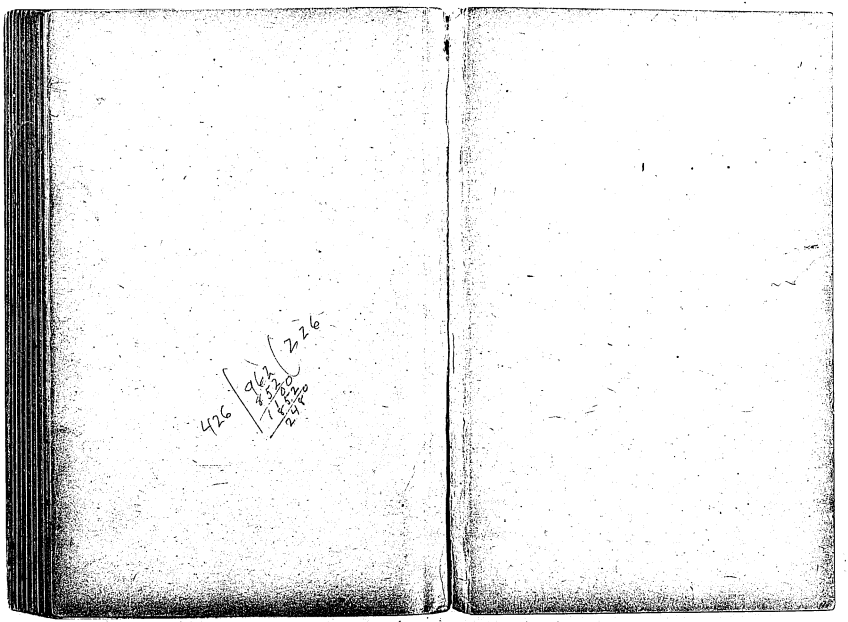
Dup 6505	6520
7 flasks 24 hr 02 grown	6521
21% NaOH, 6 grams LiOH. Same dup 6505	6522
21% NaOH 1½ spiral 4 blank	6523
10 of 24 grown	6524
15% NaOH. 3 grams LiOH	6525
Each cell —	
Dup 6523	6526
15% NaOH. 4 grms LiOH	6527
Each cell.	6528
Dup 6523	6529
15% NaOH. 5 grms LiOH.	6530
Each cell -	6531
Dup 6523	6532
15% NaOH. 6 grms LiOH	6533
Each cell	6534
Dup 6523	6535
15% NaOH. 7 grms LiOH	6536
Each cell -	6537
Dup 6523	6538
13% NaOH. 7 grms	6539
LiOH Each cell	6540
Dup 6523	6541
11 grms NaOH. 7 grms	6542
LiOH Each cell	6543



Dup 6523	6544
15% NaOH. 4 grms 1.0H (1 cell)	6545
Reverse twice during hot run	6546
Dup 6529	6547
15% NaOH. 7 grms 1.0H	6548
Each cell Reverse twice during Each hot run	6549
Dup 6523	6550
21% KOH. 2 grms 1.0H	6551
Each cell RUN COLD	6552
Dup 6523	6553
21% KOH. 4 grms 1.0H	6554
Each cell RUN COLD	6555
Dup 6523	6556
21% KOH, Saturated 1.0H	6557
Run Cold	6558
Dup 6523	6559
21% NaOH 2 grms 1.0H	6560
Each cell RUN COLD	6561
Dup 6523	6562
21% NaOH 4 grms 1.0H.	6563
Each cell RUN COLD	6564
Dup 6523	6565
21% NaOH, Saturated 1.0H.	6566
RUN COLD	6567

Dup 6523 15% NaOH. 2 grms LiOH Each cell RUN COLD	6568 6569 6570			
Dup 6523 15% NaOH. 4 grms LiOH. Each cell RUN COLD	6571 6572 6573			
Dup 6523 15% NaOH. Saturated LiOH. RUN COLD	6574 6575 6576			
Dup 6523 21% KOH. 5 grms LiCl 5 grms Bromide Sodium Each Cell.	6577 6578 6579			
Dup 6523 - CP Nickel Strips no Fe 6580 - 1 gram LiOH 21% 6581 2 " " 6582 21% Saturated LiOH.	6580 6581 6582			
6583 - 33% KOH. 6584 21% KOH. 6585 15% NaOH.	6583 6584 6585			
Dup 6523 — 21% KOH 5 grms Lithia Chloride Each cell — 2 Reg Fe	6586 6587 6588			
Dup 6523 15% NaOH. 5 grms Lithia Chloride Each cell 2 Reg Fe	6589 6590 6591			

		Cold	50	
Dep 6523- 21% KOH saturated with Lithium Carbonate	6592			
	6593			
	6594			
Dep 6523 15% NaOH, saturated Lithium Carbonate.	6595			
	6596			
	6597			
Regular Plat pockets 1 Bucket To 2 rows 21% 29 gms LiOH Each cell.	6598	535	273	
	6599	530	307	
	6600	532	243	
21 Holes 005" 1½ spirals 3/16" Regular graphite Make mix - 21% 29 gms LiOH each cell	6601			
	6602			
	6603			
Dep 6523 The tubes to be assembled in a grid sheet is not nickel plated Length 5 cells Capped w/ Epoxy Hydration Lithium - 2 Rows	6604			
	6605			
	6606			
21 Holes 005" 1½ spirals 3½ OD 2 Rows — 21% KOH - Tubs connected Electrically with the can — Run hot overnight	6607			
	6608			
	6609			
Dep 6607 21% Iron Connected Electrically with the Can Run hot overnight	6610			
	6611			
	6612			
Dep 6607 33⅓ Iron connected to the Can	6613			
	6614			
	6615			


Dup 6607 -
33% KOH, Jubs
Concentrated Electrolyte to
the Core -
6616
6617
6618
Dup 6607
21% KOH, 2 grms LiOH
Each cccc - Reversed once
week Ao Light gets 1800 mil amp
hr return after 10 days, charged
6619
6620
6621
Dup 6607 -
15% NaOH 2 grms LiOH.
Reversed once week Like 6619
6622
6623
6624
Dup6607
21% KOH, 1 grms Lithium
Chloride Each cccc
6625
6626
6627
Dup6607
21% 2 grms Lithium
Chloride Each cccc -
6628
6629
6630
Dup 6607
21% 3 grms Lithium
Chloride Each cccc.
6631
6632
6633
5283
Treated with Very weak
HCl to get coating thickened
effect - looks clean -
6634
792
783.
809
Dup 6607 -
dump screw then simple
Jump - then dump flexible
angle Jump - Jubs
6635
6636
6637
150
OD 2431 - soaked KOH not then
Go into HCl then soaked that
out, then KOH -
6638
650 - 649

1 = Machine running too fast on dump time flakes w some
2 Burrs not ground some -
3 - tubes not of same size
4. Tubes inside not good surface
5 Position good taller up stairs favorable
6 - Segregation in big LiOH
7 Mechanical condition flake
8 Bad surface to flake
9 No porosity grain - tube swells - gets out contact
10 - " - not enough KOH conc to permit chg
11 With porosity LiOH, swell it + makes good contact + circulation.